



THE CITY OF SAN DIEGO

Report to the Hearing Officer

DATE ISSUED: September 8, 2021

REPORT NO. HO-21-037

HEARING DATE: September 15, 2021

SUBJECT: AT&T ALL SOULS Process Three Decision

PROJECT NUMBER: [683088](#)

OWNER/APPLICANT: Rector, Wardens, And Vestrymen /AT&T

SUMMARY

Issue: Should the Hearing Officer approve a Conditional Use Permit (CUP) for a Wireless Communication Facility (WCF) at 1475 Catalina Boulevard within the Peninsula Planning area?

Staff Recommendation: Approve Conditional Use Permit No. 2562196.

Community Planning Group Recommendation: On June 17, 2021, the Peninsula Community Planning Group voted 12-0-0 to recommend approval of the proposed project without conditions.

Environmental Review: This project was determined to be categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA section 15302 (Replacement or Reconstruction). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on June 28, 2021, and the opportunity to appeal that determination ended July 12, 2021.

BACKGROUND

AT&T is proposing to maintain an existing WCF located at 1475 Catalina Boulevard within the RS-1-7 zone of the Peninsula Community Plan area. Land uses surrounding the project site include single-family residential to the east, south and north with an elementary school to west across Catalina Boulevard (Attachments 1, 2 and 3).

[Council Policy 600-43](#) assigns preference levels to WCFs proposed on different land uses, with Preference 1 being the highest and Preference 4 the lowest. The most preferred locations being Preference 1 which are generally non-residential uses/zones and are permitted ministerially and the least preferred locations are with residential uses in residential zones and are Preference 4,

requiring a Conditional Use Permit, Process Four. Various land uses and zones between those Preference levels dictate decision levels and permits between a Neighborhood Use Permit, Process Two and a CUP, Process Three. This project is located in a residential zone, but the existing use is non-residential which is a Preference 3, CUP, Process Three. This WCF was originally approved in 2002 and the location was selected because AT&T was trying to provide coverage along Catalina and Chatsworth Boulevards and to the surrounding residential area as well. This WCF has been in AT&T's network for approximately 19 years and each of their permits that have been issued have been in 10-year increments. The purpose and intent of this is to allow the City to analyze the WCF design with the current surrounding development in addition to upgrading the WCFs to address any advancements in designs and innovations. In reviewing the aerial maps provided with the application, it is evident that the area is primarily single-unit residential with schools and churches mixed in and this Preference 3 location is still a viable option (Attachment 1). There are no other locations in Preference 1 or 2 categories that can maintain current service levels.

The WCF was last approved by the Hearing Officer on February 9, 2011 under CUP No. 738720. The approval included a 10-year expiration date. This condition is consistently applied to all wireless facilities that are not completely concealed and integrated as defined in the [WCF Design Guidelines](#).

This application proposes the following modification to the existing WCF: reconfigure and reorient six (6) existing panel antennas concealed within an architectural element (cupola) on the roof of the existing religious facility and the removal of an existing access door to the cupola to be replaced with a new louvered door. Additionally, the project would maintain the existing equipment enclosure to remain painted and textured to match the existing building located at ground level. According to the current regulations and pursuant to San Diego Municipal Code (SDMC) Section [141.0420\(c\)\(1\)\(A\)\(i\)](#), the project as designed requires a CUP, Process Three, Hearing Officer decision as the project is in a residential zone on a premises that does not contain residential development.

DISCUSSION

The project proposes the continued operation of an AT&T WCF consisting of six panel antennas mounted inside a radio-frequency transparent cupola textured and colored to match the existing building (Figure 1). Additionally, the project will include the continued operation of an associated 112 square-foot equipment enclosure housing a GPS, distribution Power cabinets and a switch gear cabinet. The project as designed, complies with SDMC Section [141.0420\(f\)](#) which states, "The applicant shall use all reasonable means to conceal or minimize the visual impacts of the wireless communication facilities through integration. Integration with existing structures or among other existing uses shall be accomplished through the use of architecture, landscape, and siting solutions." Landscaping will help screen the above ground equipment structure, which will be painted to blend with the landscape.

The Telecommunication Act of 1996 preempts local governments from regulating the placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions. A Radio Frequency Safety Survey Prediction Report dated December 23, 2020 from EBI Consulting, was submitted to the City verifying that the proposed project meets or exceeds the requirements of the FCC. Based on worst-case predictive modeling, there are no areas at

ground/street level related to the proposed AT&T antennas that exceed the FCC's occupational or general public exposure limits at this site. At ground/street level, the maximum power density generated by the antennas is approximately 3.26 percent of the FCC's general public limit. A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5 percent of the applicable Maximum Permissible Exposure (MPE) must participate in mitigating these RF hazards.



Figure 1: Photo of existing cupola (No Change)



Figure 2: Equipment Enclosure (No Change)

A site justification analysis was prepared by AT&T demonstrating the need to maintain this WCF. AT&T's existing equipment needs to be modified to provide improved service for public and private wireless usage as there is a current gap in coverage due to increased demand. This upgrade will provide greater service to the entire community by increasing network effectiveness in the area. Other sites were not sought for a WCF due to AT&T desire to stay away from an elementary school, located across Catalina Boulevard and homes within 100 feet as these are the least preferred areas in the WCF construction hierarchy. There are no other non-residential or preferred locations within the neighborhood grid to allow the construction of another WCF as residential development exist to

the north, east and south with an elementary school to the west. In accordance with the latest coverage maps, without the proposed modifications, there would be a significant gap in coverage since the AT&T sites are strategically placed and the network build around them.

Community Plan:

The Peninsula Community Plan does not address WCFs. However, the City's General Plan, in the Urban Design Element (UD-A.15), requires that the visual impact of wireless facilities be minimized by concealing them in existing structures or using screening techniques to hide or blend them into the surrounding area. The plan also calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, the plan states that equipment associated with wireless facilities be concealed from view. The antennas associated with this facility are located within an architectural element on the roof of the existing building and are screened behind radio-frequency (RF) transparent material, painted and textured to match adjacent building surfaces. Equipment associated with the antennas is located adjacent to the existing building, behind a screened enclosure designed to match the building and other wireless carrier equipment enclosures (Figure 2). Landscape material will be maintained adjacent to the enclosure to better screen, soften, and improve the appearance of the enclosure.

Conclusion:

The proposed design effectively integrates with the architecture of the existing religious facility meeting the purpose and intent of the Wireless Communication Ordinance ([SDMC 141.0420](#)), the [Wireless Design Guidelines](#) and [Council Policy 600-43](#). Staff has prepared draft findings in the affirmative to approve the project and recommends approval of Conditional Use permit No. 2565029 (Attachment 6).

ALTERNATIVES

1. Approve Conditional Use Permit No. 2504091, with modifications.
2. Deny Conditional Use Permit No. 2504091, if the Hearing Officer makes written findings based on substantial evidence that the approval is not authorized by state or local zoning law.

Respectfully submitted,

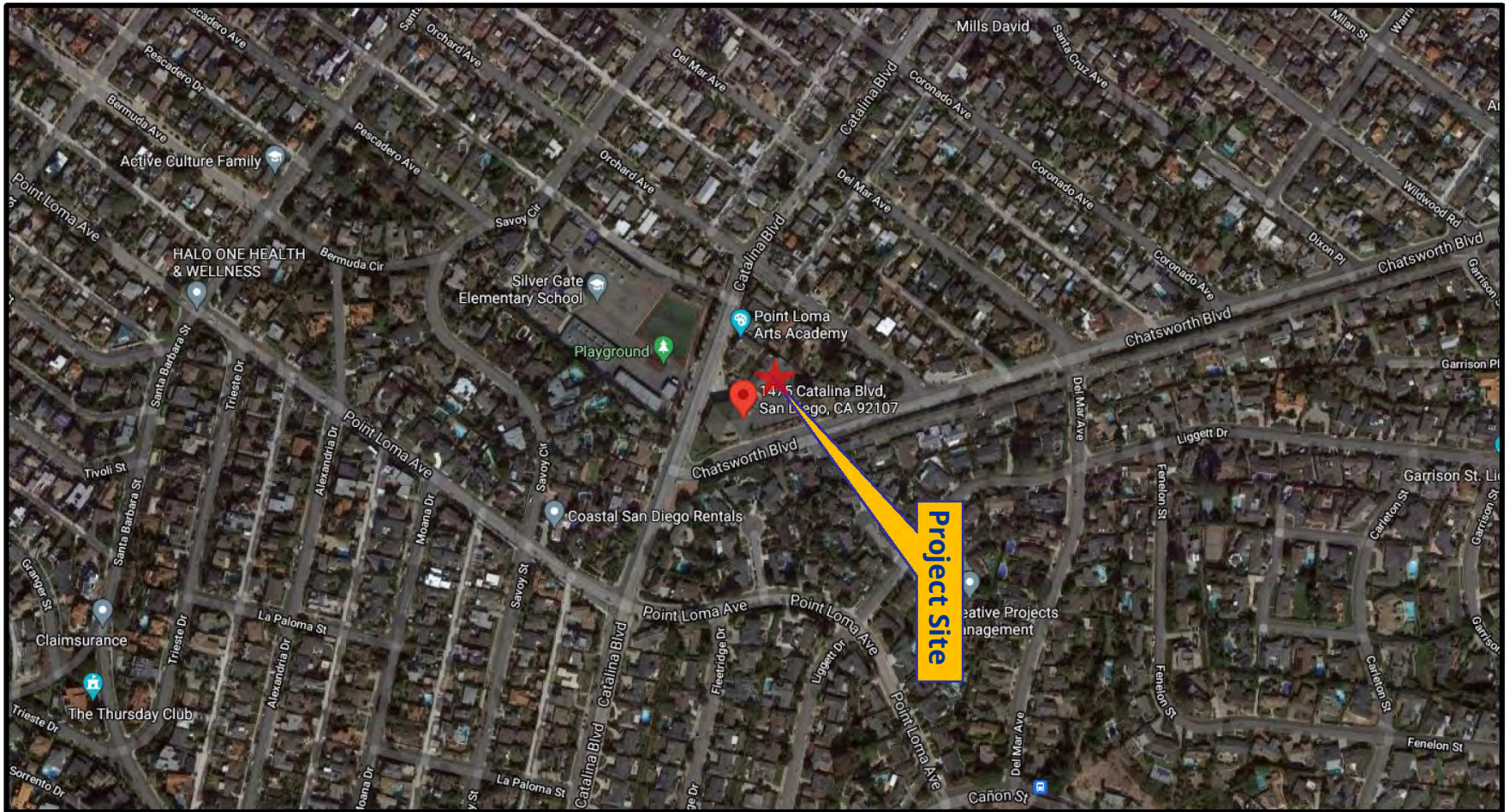


William Zounes, Development Project Manager

Attachments:

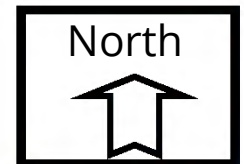
1. Aerial Photograph
2. Community Plan Land Use Map

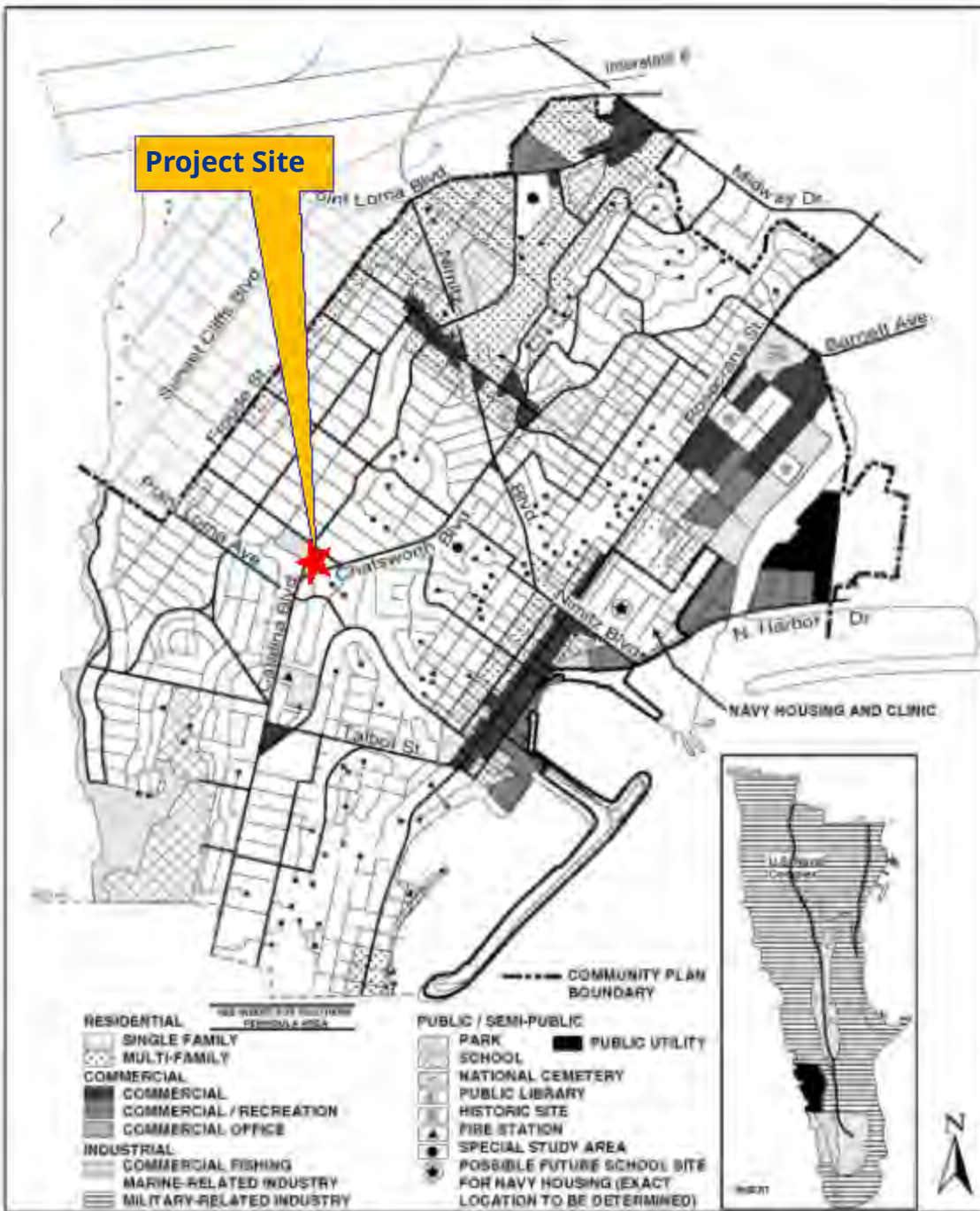
3. Project Location Map
4. Project Data Sheet
5. Draft Permit Resolution with Findings
6. Draft Permit with Conditions
7. Coverage Maps
8. Environmental Exemption
9. Community Planning Group Recommendation
10. Ownership Form
10. Photosimulations
11. Project Plans



Aerial Photograph

AT&T All Souls Project No. 6
1475 Catalina Boulevard





Peninsula Land Use Map

AT&T All Souls Project No. 6
1475 Catalina Boulevard

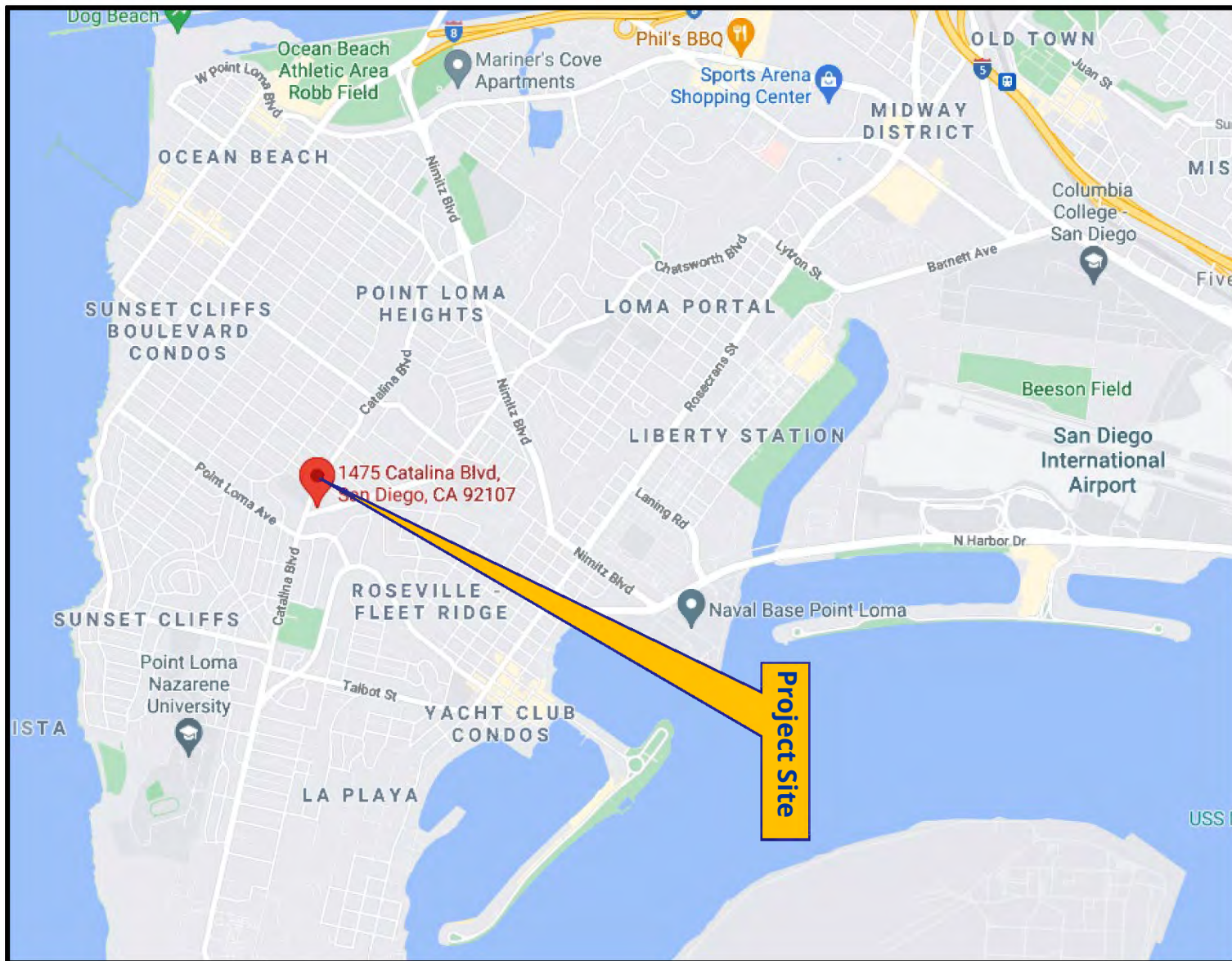


Land Use Peninsula Community Plan

CITY OF SAN DIEGO • PLANNING DEPARTMENT

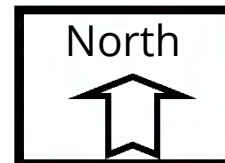
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Project Location Map

AT&T All Souls Project No. 6
1475 Catalina Boulevard



PROJECT DATA SHEET		
PROJECT NAME:	AT&T All Souls	
PROJECT DESCRIPTION:	The continued operation of a Wireless Communication Facility (WCF) utilized by AT&T. The existing WCF proposes to reconfigure and reorient six (6) existing panel antennas concealed within an architectural element (cupola) on the roof of the existing religious facility and the removal of an existing access door to the cupola to be replaced with a new louvered door.	
COMMUNITY PLAN AREA:	Peninsula	
DISCRETIONARY ACTIONS:	Conditional Use Permit	
COMMUNITY PLAN LAND USE DESIGNATION:	Residential	
<p style="text-align: center;"><u>ZONING INFORMATION:</u></p> <p>ZONE: RS-1-7</p> <p>HEIGHT LIMIT: 30 feet</p> <p>LOT SIZE: N/A</p> <p>FLOOR AREA RATIO: 0.45</p> <p>FRONT SETBACK: 15 feet</p> <p>SIDE SETBACK: 0.08</p> <p>STREETSIDE SETBACK: 0.10</p> <p>REAR SETBACK: 13</p> <p>PARKING: N/A</p>		
	LAND USE DESIGNATION & ZONE	EXISTING LAND USE
NORTH:	Residential; RS-1-7	Residential
SOUTH:	Residential; RS-1-4	Residential
EAST:	Residential; RS-1-7	Residential
WEST:	Park; RS-1-7	Elementary School
DEVIATIONS OR VARIANCES REQUESTED (INCENTIVES):	None	
COMMUNITY PLANNING GROUP RECOMMENDATION:	On June 17, 2021, the Peninsula Community Planning Group voted 12-0-0 to recommend approval of the proposed project without conditions.	

HEARING OFFICER
RESOLUTION NO.
CONDITIONAL USE PERMIT NO. 2562196
AT&T ALL SOULS PROJECT NO. 683088

WHEREAS, RECTOR, WARDENS, AND VESTRYMEN, Owner and AT&T, Permittee, filed an application with the City of San Diego for a Wireless Communication Facility (WCF) (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No. 2562196);

WHEREAS, the project site is located at 1475 Catalina Boulevard in the RS-1-7 Zone of the Peninsula Community Plan;

WHEREAS, the project site is legally described as Lot 6, Block 4, Loma Linda Park I, of the City of San Diego, County of San Diego, State of California, according to Map No. 2655, filed in the Offices of the County Recorder of San Diego County, May 4, 1950;

WHEREAS, on June 28, 2021, the City of San Diego, as Lead Agency, through the Development Services Department, made and issued an Environmental Determination that the project is exempt from the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) under CEQA Guideline Section 15302 (Replacement or Reconstruction) and there was no appeal of the Environmental Determination filed within the time period provided by San Diego Municipal Code Section (SDMC) 112.0520;

WHEREAS, on September 15, 2021, the Hearing Officer of the City of San Diego considered Conditional Use Permit No. 2562196 pursuant to the San Diego Municipal Code of the City of San Diego;

BE IT RESOLVED by the Hearing Officer of the City of San Diego, that it adopts the following findings with respect to Conditional Use Permit No. 2562196:

A. CONDITIONAL USE PERMIT [SDMC Section 126.0305]

1. Findings for all Conditional Use Permits:

a. The proposed development will not adversely affect the applicable land use plan.

The project proposes the continued operation of an AT&T WCF consisting of six panel antennas mounted inside a radio-frequency transparent cupula textured and colored to match the existing building (religious facility). The project is located at 1475 Catalina Boulevard in the RS-1-7 Zone of the Peninsula Community Plan.

WCFs are permitted in all zones citywide with the appropriate permit process. WCFs are separately regulated uses, which have limitations or require compliance with conditions in order to minimize potential impacts. WCFs are allowed in a residential zone within a non-residential use with approval of a Conditional Use Permit (CUP)

The Peninsula Community Plan does not contemplate Wireless Communications Facilities (WCFs). However, the City of San Diego's General Plan (UD-15) requires that the visual impact of wireless facilities be minimized by concealing wireless facilities in existing structures or using screening techniques to hide or blend them into the surrounding area. The plan also calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, the plan states that equipment associated with wireless facilities be concealed from view. The antennas associated with this facility are located within an architectural element on the roof of the existing building and are screened behind radio-frequency (RF) transparent material, painted and textured to match adjacent building surfaces. Equipment associated with the antennas is located at ground level adjacent to the existing building, behind a screened enclosure designed to match the building. Additional landscape material will be maintained adjacent to the enclosure to better screen, soften, and improve the appearance of the enclosure. Based on the design of this facility, this WCF will not adversely affect the applicable land use plan.

b. The proposed development will not be detrimental to the public health, safety, and welfare.

The project proposes the continued operation of an AT&T WCF consisting of six panel antennas mounted inside a radio-frequency transparent cupula textured and colored to match the existing building (religious facility). The project is located at 1475 Catalina Boulevard in the RS-1-7 Zone of the Peninsula Community Plan.

The project was determined to be exempt from CEQA pursuant to Section 15302 (Existing Facilities). The conditions of approval for the project will require compliance with several operational constraints and development controls intended to assure the continued public health, safety and welfare to include but not limited to concealment requirements and electromagnetic fields controls. All proposed improvement plans associated with the project will be reviewed prior to issuance of construction permits and inspected during construction to assure the project will meet or exceed all relevant and applicable building, electrical, mechanical, plumbing and fire codes.

The Telecommunication Act of 1996 preempts local governments from regulating the placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions. A Radio Frequency Safety Survey Report Prediction dated December 23, 2020 from EBI Consulting, was submitted to the City verifying that the proposed project meets or exceeds the requirements of the FCC. The report will be stamped as Exhibit "A" and provided within the project file. Therefore, the proposed development will not be detrimental to the public health, safety, and welfare.

c. The proposed development will comply with the regulations of the Land Development Code including any allowable deviations pursuant to the Land Development Code.

The project proposes a Conditional Use Permit for the continued operation of a Wireless Communication Facility (WCF) consisting of reconfiguring six (6) existing panel antennas and three (3) Remote Radio Units (RRUs) housed in a Fiberglass Reinforced Plastic (FRP) cupula. The project is located at 1475 Catalina Boulevard in the RS-1-7 zone within the Coastal Height Limitation Overlay Zone within the Peninsula Community Plan area.

The City's WCF regulations, Land Development Code section 141.0420, allow WCF's in a residential zone with a Process 3 Conditional Use Permit when a residential use is not on the same site. The facility itself is designed to integrate the antennas with the existing religious facility building behind radio-frequency transparent cupula textured and colored to match the existing building with no zoning deviations. Equipment associated with the antennas is located at ground level next to the existing structure and screened with landscaping. The WCF design has used reasonable means to minimize any visual impact from the project. Based on these considerations, this project complies with the permit and design requirements for WCF's as identified in the Land Development Code. Therefore, the proposed development will comply with the regulations of the Land Development Code including any allowable deviations pursuant to the Land Development Code.

d. The proposed use is appropriate at the proposed location.

WCF's are permitted in residential zones with a non-residential use with the processing of a Conditional Use Permit, Process 3. According to Council Policy 600-43, the most preferred location for WCF's is in the Public Right-of-Way or within an industrial or commercial zone. If those are not available, a mixed-use area or area with a non-residential use is preferred. Residentially zoned property with a residential use is the least preferred location for WCF's. In this case, the WCF is located on a premise in a residential zone with a non-residential use.

AT&T is proposing to maintain an existing WCF located at 1475 Catalina Boulevard. A site justification analysis was prepared by AT&T demonstrating the need to maintain this WCF. AT&T's existing equipment needs to be modified to provide improved service for public and private cellular usage as there is a current gap in coverage due to increased demand. This upgrade will provide greater service to the entire community by increasing network effectiveness in the area. Other sites were not sought for a WCF due to AT&T desire to stay away from an elementary school and homes as these are the least preferred areas in the WCF construction hierarchy. There are no other non-residential or preferred locations within the neighborhood grid to allow the construction of another WCF as residential development exist to the north, east and south with an elementary school to the west. In accordance with the latest coverage maps, without the proposed modifications, there would be a significant gap in coverage since the AT&T sites are strategically placed to work in accord.

The project was originally approved on February 9, 2011 (Project No. 208112). In order to continue providing service to the surrounding area, the antennas need to be updated with newer antenna models and remain at the height and orientation they were originally installed as the network was developed using those metrics for coverage. The existing WCF provides critical voice and data service throughout the surrounding area. Continued operation of this site is necessary to maintain the existing levels of service to the area for AT&T customers. The site is an integral part of telecommunication networks, as the site's operation is closely coordinated with other sites in the area. Coverage maps demonstrate the existing coverage provided on the subject property and the predicted loss of coverage without the antenna upgrade. A degradation of the existing service could have a significant impact on customers and essential emergency communication services.

The design is consistent with the City's General Plan for wireless facilities, the WCF Ordinance (Ch. 14, Art 20, Div. 4) and the Wireless Communication Guidelines. However, a 10-year expiration will be included as a condition of approval to ensure that the design and use is still appropriate at that time. As demonstrated by both AT&T's justification analysis and the design, the existing WCF use is appropriate at the proposed location.

ATTACHMENT 5

The above findings are supported by the minutes, maps and exhibits, all of which are incorporated herein by this reference.

BE IT FURTHER RESOLVED that, based on the findings hereinbefore adopted by the Hearing Officer, Conditional Use Permit No. 2562196 is hereby GRANTED by the Hearing Officer to the referenced Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit No. 2562196, a copy of which is attached hereto and made a part hereof

William Zounes
Development Project Manager
Development Services

Adopted on: September 15, 2021
IO#: 11004545

RECORDING REQUESTED BY
CITY OF SAN DIEGO
DEVELOPMENT SERVICES
PERMIT INTAKE, MAIL STATION
501

WHEN RECORDED MAIL TO
PROJECT MANAGEMENT
PERMIT CLERK
MAIL STATION 501

INTERNAL ORDER NUMBER: 11004545 SPACE ABOVE THIS LINE FOR RECORDER'S USE

CONDITIONAL USE PERMIT NO. 2562196
AT&T ALL SOULS PROJECT NO. 683088
HEARING OFFICER

This Conditional Use Permit No. 2562196 is granted by the Hearing Officer of the City of San Diego to RECTOR, WARDENS, AND VESTRYMEN, Owner, and AT&T, Permittee, pursuant to San Diego Municipal Code [SDMC] section 142.0420 and 126.0302. The site is located at 1475 Catalina Boulevard in the RS-1-7 zone of the Peninsula Community Plan. The project site is legally described as: Lot 6, Block 4, Loma Linda Park I, of the City of San Diego, County of San Diego, State of California, according to Map No. 2655, filed in the Offices of the County Recorder of San Diego County, May 4, 1950;

Subject to the terms and conditions set forth in this Permit, permission is granted to Owner and Permittee for a Wireless Communication Facility (WCF) described and identified by size, dimension, quantity, type, and location on the approved exhibits [Exhibit "A"] dated September 15, 2021, on file in the Development Services Department.

The project shall include:

- a. The continued operation and maintenance of a WCF consisting of six (6) antennas concealed within an architectural element (cupola) on the roof of the existing religious facility and associated equipment enclosure located at ground level;
- b. The reconfiguration and reorientation of six (6) panel antennas within the cupola;
- c. The removal of an existing access door to the cupola to be replaced with a new louvered door;
- d. Landscaping (planting, irrigation and landscape related improvements);
- e. Public and private accessory improvements determined by the Development Services Department to be consistent with the land use and development standards for this site in accordance with the adopted community plan, the California Environmental Quality Act [CEQA] and the CEQA Guidelines, the City Engineer's requirements, zoning regulations, conditions of this Permit, and any other applicable regulations of the SDMC.

STANDARD REQUIREMENTS:

1. This permit must be utilized within thirty-six (36) months after the date on which all rights of appeal have expired. If this permit is not utilized in accordance with Chapter 12, Article 6, Division 1 of the SDMC within the 36-month period, this permit shall be void unless an Extension of Time has been granted. Any such Extension of Time must meet all SDMC requirements and applicable guidelines in effect at the time the extension is considered by the appropriate decision maker. This permit must be utilized by September 29, 2031.
2. The above utilization date notwithstanding, the granting of this discretionary permit does not entitle the continued operation of the existing, expired facility. Within 60 days of permit approval, applications must be made for all required construction permits. Within 90 days of application, all required construction permits must be issued. Within 90 days of permit issuance, final inspection must be obtained.
3. This permit and corresponding use of this site shall **expire on September 29, 2031**. Upon expiration of this approval, the facilities and improvements described herein shall be removed from this site and the property shall be restored to its original condition preceding approval of this permit unless the applicant of record files a new application for a facility which will be subject to compliance with all regulations in effect at the time.
4. No later than ninety (90) days prior to the expiration of this approval, the Owner/Permittee may submit a new application to the Development Services Department for consideration with review and a decision by the appropriate decision maker at that time. Failure to submit prior to the deadline will be cause for enforcement for noncompliance, which may include penalties and fines.
5. Under no circumstances, does approval of this permit authorize the Owner/Permittee to utilize this site for WCF purposes beyond the permit expiration date. Use of this permit approval beyond the expiration date of this permit is prohibited.
6. No permit for the construction, occupancy, or operation of any facility or improvement described herein shall be granted, nor shall any activity authorized by this Permit be conducted on the premises until:
 - a. The Owner/Permittee signs and returns the Permit to the Development Services Department; and
 - b. The Permit is recorded in the Office of the San Diego County Recorder.
7. While this Permit is in effect, the subject property shall be used only for the purposes and under the terms and conditions set forth in this Permit unless otherwise authorized by the appropriate City decision maker.

8. This Permit is a covenant running with the subject property and all of the requirements and conditions of this Permit and related documents shall be binding upon the Owner/Permittee and any successor(s) in interest.

9. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.

10. Issuance of this Permit by the City of San Diego does not authorize the Owner/Permittee for this Permit to violate any Federal, State or City laws, ordinances, regulations or policies including, but not limited to, the Endangered Species Act of 1973 [ESA] and any amendments thereto (16 U.S.C. § 1531 et seq.).

11. The Owner/Permittee shall secure all necessary building permits. The Owner/Permittee is informed that to secure these permits, substantial building modifications and site improvements may be required to comply with applicable building, fire, mechanical, and plumbing codes, and State and Federal disability access laws.

12. Construction plans shall be in substantial conformity to Exhibit "A." Changes, modifications, or alterations to the construction plans are prohibited unless appropriate application(s) or amendment(s) to this Permit have been granted.

13. All of the conditions contained in this Permit have been considered and were determined necessary to make the findings required for approval of this Permit. The Permit holder is required to comply with each and every condition in order to maintain the entitlements that are granted by this Permit.

If any condition of this Permit, on a legal challenge by the Owner/Permittee of this Permit, is found or held by a court of competent jurisdiction to be invalid, unenforceable, or unreasonable, this Permit shall be void. However, in such an event, the Owner/Permittee shall have the right, by paying applicable processing fees, to bring a request for a new permit without the "invalid" conditions(s) back to the discretionary body which approved the Permit for a determination by that body as to whether all of the findings necessary for the issuance of the proposed permit can still be made in the absence of the "invalid" condition(s). Such hearing shall be a hearing de novo, and the discretionary body shall have the absolute right to approve, disapprove, or modify the proposed permit and the condition(s) contained therein.

14. The Owner/Permittee shall defend, indemnify, and hold harmless the City, its agents, officers, and employees from any and all claims, actions, proceedings, damages, judgments, or costs, including attorney's fees, against the City or its agents, officers, or employees, relating to the issuance of this permit including, but not limited to, any action to attack, set aside, void, challenge, or annul this development approval and any environmental document or decision. The City will promptly notify Owner/Permittee of any claim, action, or proceeding and, if the City should fail to cooperate fully in the defense, the Owner/Permittee shall not thereafter be responsible to defend, indemnify, and hold harmless the City or its agents, officers, and employees. The City may elect to conduct its own defense, participate in its own defense, or obtain independent legal counsel in defense of any claim related to this indemnification. In the event of such election, Owner/Permittee

shall pay all of the costs related thereto, including without limitation reasonable attorney's fees and costs. In the event of a disagreement between the City and Owner/Permittee regarding litigation issues, the City shall have the authority to control the litigation and make litigation related decisions, including, but not limited to, settlement or other disposition of the matter. However, the Owner/Permittee shall not be required to pay or perform any settlement unless such settlement is approved by Owner/Permittee.

ENGINEERING REQUIREMENTS:

15. Prior to the issuance of any construction permit the Permittee shall submit a Water Pollution Control Plan (WPCP). The WPCP shall be prepared in accordance with the guidelines in Appendix E of the City's Storm Water Standards.

LANDSCAPE REQUIREMENTS:

16. The Owner/Permittee shall be responsible for the maintenance of all landscape improvements shown on the approved plans, including in the right-of-way, unless long-term maintenance of said landscaping will be the responsibility of another entity approved by the Development Services Department. All required landscape shall be maintained consistent with the Landscape Standards in a disease, weed, and litter free condition at all times. Severe pruning or "topping" of trees is not permitted.

17. If any required landscape (including existing or new plantings, hardscape, landscape features, etc.) indicated on the approved construction documents is damaged or removed, the Owner/Permittee shall repair and/or replace in kind and equivalent size per the approved documents to the satisfaction of the Development Services Department within 30 days of damage or Certificate of Occupancy.

18. in favor of the City, USFWS, and CDFW. The Owner/Permittee shall maintain in perpetuity any MHPA lands granted by covenant of easement unless otherwise agreed to by the City.

PLANNING/DESIGN REQUIREMENTS:

19. Every aspect of this project is considered an element of concealment including but not limited to the dimensions, bulk and scale, color, materials and texture. Any future modifications to this permit must not defeat concealment.

20. No overhead cabling is permitted.

21. The WCF shall conform to the approved construction plans.

22. Photo simulations shall be printed in color on the construction plans.

23. The Owner/Permittee shall install and maintain appropriate warning signage on the WCF as required by State and Federal regulations. The Owner/Permittee shall be responsible for complying with all State and Federal regulations.

24. Antennas and associated components, such as, but not limited to, remote radio units (RRUs), surge suppressors, etc., shall not exceed the height of any existing or proposed screen walls.
25. Use of or replacement of any building façade or mechanical screen with RF-transparent material for purposes of concealing antennas shall not result in any noticeable lines or edges in the transition to the original building. All RF-transparent material shall be painted and textured to match the original building and adjacent building surfaces.
26. The accuracy and validity of the RF Compliance Report, submitted by the Permittee, shall be assured while the WCF is in operation. If requested by the City, Owner/Permittee shall provide an updated RF Compliance Report to address any issues associated with the emitting components of the WCF.
27. All equipment, including transformers, emergency generators and air conditioners belonging to the Owner/Permittee shall be designed and operated consistent with the City noise ordinance. Ventilation openings shall be baffled and directed away from residential areas. Vibration resonance of operating equipment in the equipment enclosures shall be eliminated.
28. All facilities and related equipment shall be maintained in good working order. Any damaged equipment shall be repaired or replaced within thirty (30) calendar days of notification by the City of San Diego.
29. The Owner/Permittee shall notify the City within 30 days of the sale or transfer of this site to any other provider or if the site is no longer operational, in which case, the removal and the restoration of this site to its original condition is required.

INFORMATION ONLY:

- Please note that a Telecom Planning Inspection Issue will be placed on the project prior to Final Clearance from the City's Building Inspector to ensure compliance with the approved plans and associated conditions. Prior to calling for your Final Inspection from your building inspection official, please contact the Development Services Department Wireless Communication Facilities staff listed on City webpage, <https://www.sandiego.gov/development-services/codes-regulations/wireless-communication-facilities>, to schedule an inspection of the completed facility. Please schedule this administrative inspection at least five working days ahead of the requested Final Inspection date.
- The issuance of this development permit alone does not allow the immediate commencement or continued operation of the proposed use on site. The operation allowed by this discretionary permit may only begin or recommence after all conditions listed on this permit are fully completed and all required ministerial permits have been issued and received final inspection.

ATTACHMENT 6

- Any party on whom fees, dedications, reservations, or other exactions have been imposed as conditions of approval of this permit, may protest the imposition within ninety days of the approval of this development permit by filing a written protest with the City Clerk pursuant to California Government Code-section 66020.
- This development may be subject to impact fees at the time of construction permit issuance.

APPROVED by the Hearing Officer of the City of San Diego on September 15, 2021.

DRAFT

ATTACHMENT 6

Conditional Use Permit No.: 2562196
Date of Approval: September 15, 2021

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT

William Zounes
Development Project Manager

**NOTE: Notary acknowledgment
must be attached per Civil Code
section 1189 et seq.**

The undersigned Owner/Permittee, by execution hereof, agrees to each and every condition of this Permit and promises to perform each and every obligation of Owner/Permittee hereunder.

Rector, Wardens, and Vestrymen
Owner

By _____
NAME
TITLE

AT&T
Permittee

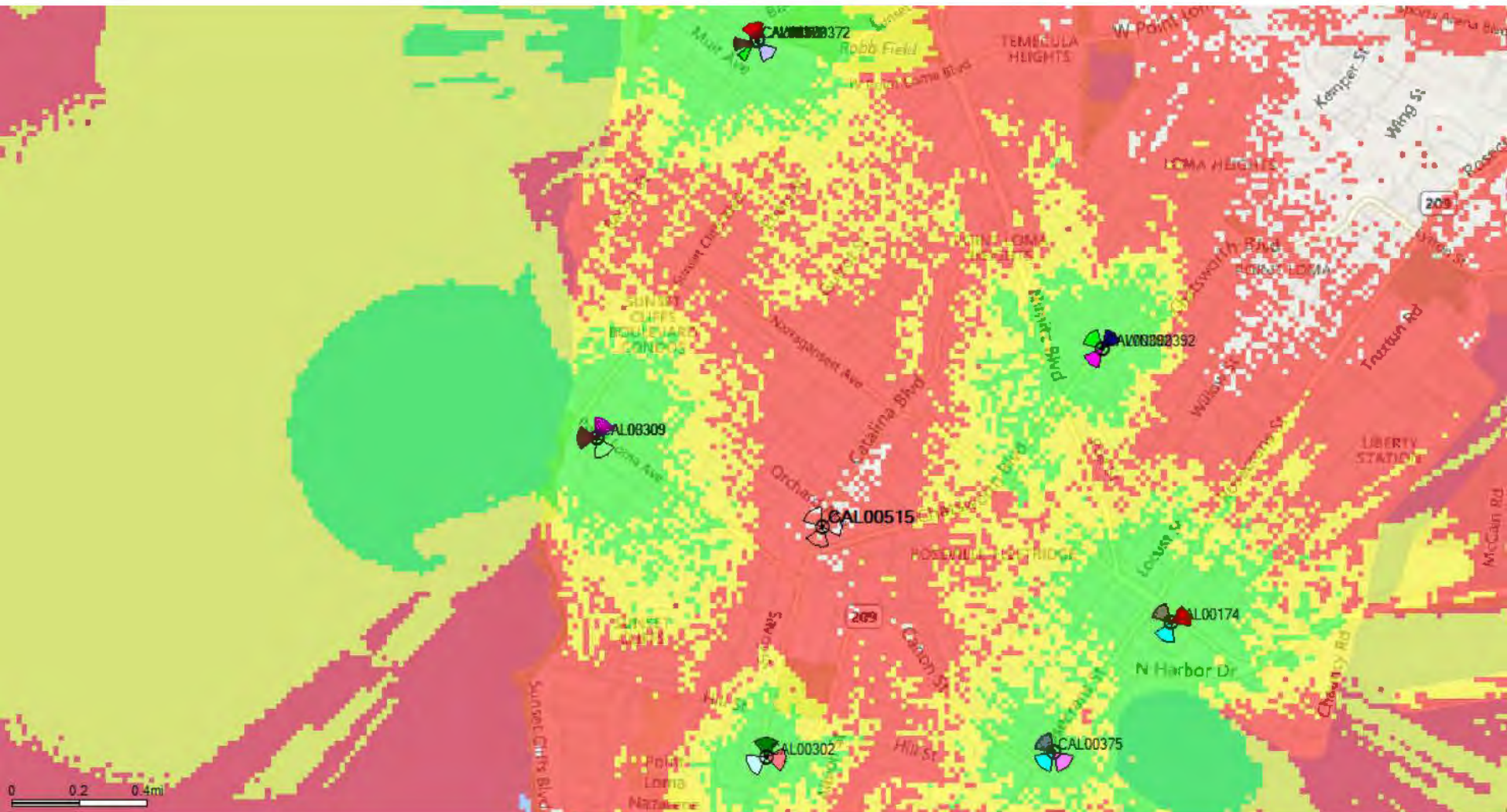
By _____
NAME
TITLE

**NOTE: Notary acknowledgments
must be attached per Civil Code
section 1189 et seq.**



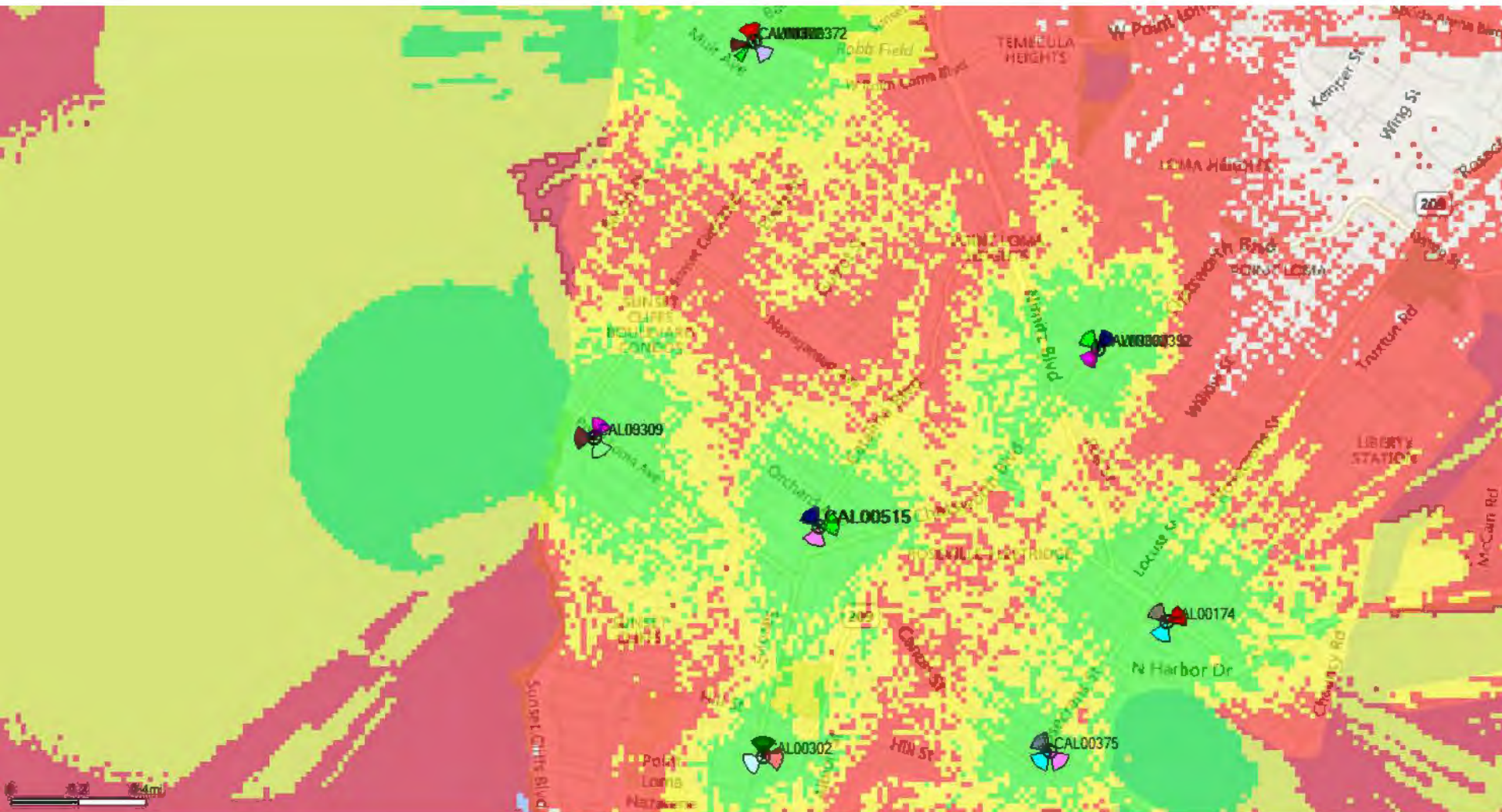
Coverage without CAL00515

ATTACHMENT 7



RSRP (dBm) - Indoor

- Good
- Fair
- Poor

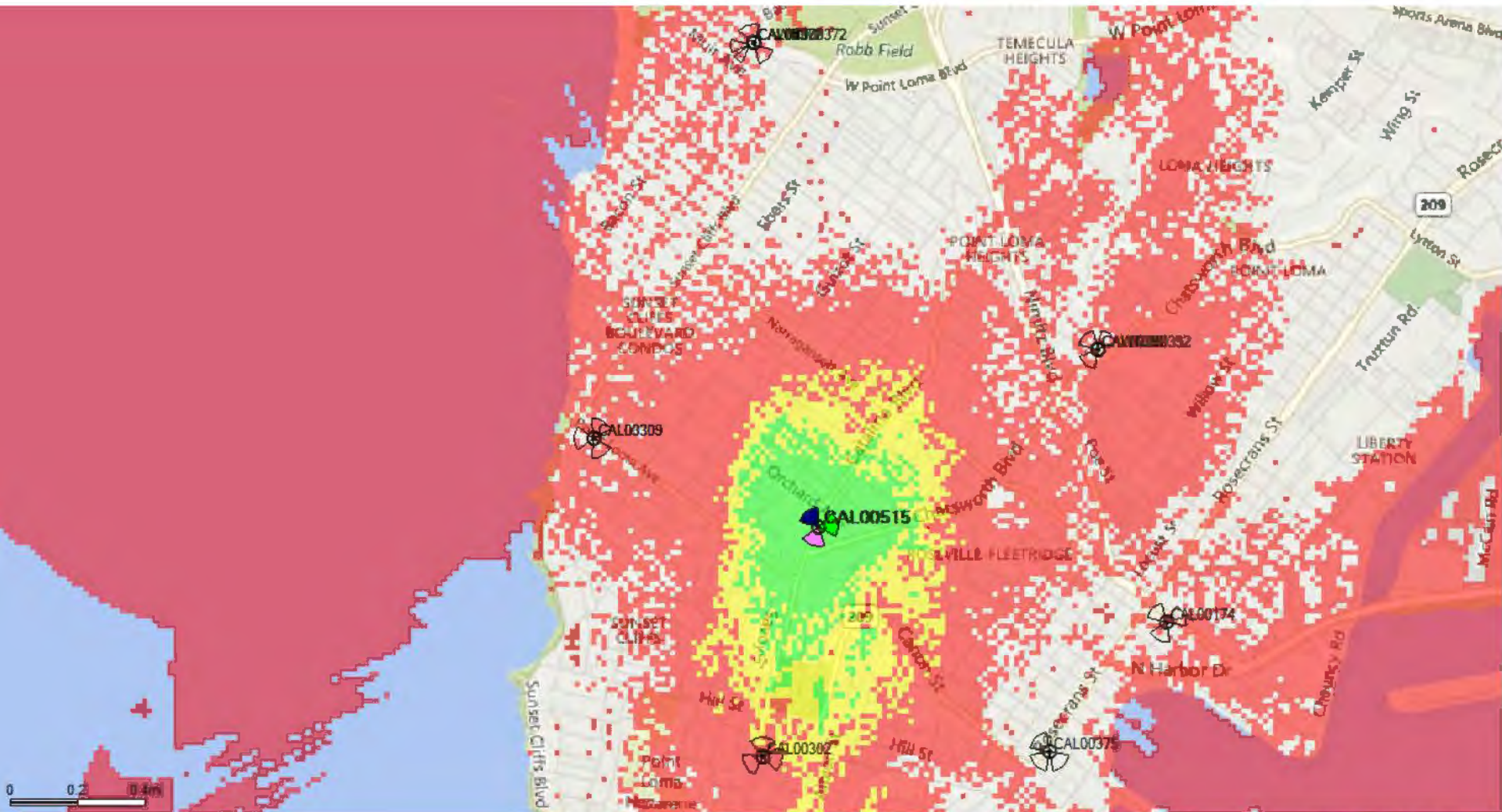


RSRP (dBm) - Indoor

Good

Fair

Poor



RSRP (dBm) - Indoor

- Good
- Fair
- Poor

NOTICE OF EXEMPTION**ATTACHMENT 8**

(Check one or both)

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

 OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

Project No.: 683088

Project Title: All Souls AT&T

PROJECT LOCATION-SPECIFIC: The project is located at 1475 Catalina Boulevard, San Diego, CA 92107.

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: Conditional Use Permit (CUP) to modify an existing Wireless Communication Facility (WCF) by reorientating/relocating/reconfiguring six existing panel antennas, installing three (3) new Remote Radio Units (RRUs), and installing a new full louvered access door on a Fiberglass Reinforced Plastic (FRP) steeple structure. The project is located at 1475 Catalina Boulevard, San Diego, CA 92107 in the RS-1-7 zone within the Peninsula Community Plan. The WCF is unmanned and technicians would visit the site only as required for routine maintenance and repairs.

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: All Souls Church, 1475 Catalina Boulevard, San Diego, CA 92107. (619) 233-6394

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
- () DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- () EMERGENCY PROJECT (SEC. 21080(b)(4); 15269(b)(c)).
- (X) CATEGORICAL EXEMPTION: 15302 (Replacement Reconstruction)
- () STATUTORY EXEMPTION:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the proposed project is exempt from CEQA pursuant to CEQA Guidelines Section 15302. CEQA Section 15302 allows for the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site and will have substantially the same purpose and capacity as the structure being replaced. The proposed project is modifying the existing facility and would replace old equipment with new without expanding the use of the WCF. No environmental impacts were identified for the proposed project and none of the exceptions described in CEQA Guidelines Section 15300.2 apply.

ATTACHMENT 8

LEAD AGENCY CONTACT PERSON: Jeffrey Szymanski

TELEPHONE: 619 446-5324

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA


SIGNATURE/TITLE

/SENIOR PLANNER

8/19/2021

DATE

CHECK ONE:

(X) SIGNED BY LEAD AGENCY

DATE RECEIVED FOR FILING WITH COUNTY

CLERK OR OPR:

	<p>City of San Diego Development Services 1222 First Ave., MS 302 San Diego, CA 92101 (619) 446-5000</p> <p>Ownership Disclosure Statement</p>	<p>FORM DS-318 October 2017</p>
---	--	--

Approval Type: Check appropriate box for type of approval(s) requested: ☐ Neighborhood Use Permit ☐ Coastal Development Permit
☐ Neighborhood Development Permit ☐ Site Development Permit ☐ Planned Development Permit ☐ Conditional Use Permit ☐ Variance
☐ Tentative Map ☐ Vesting Tentative Map ☐ Map Waiver ☐ Land Use Plan Amendment • ☐ Other _____

Project Title: _____ **Project No. For City Use Only:** _____

Project Address: _____

Specify Form of Ownership/Legal Status (please check):

☐ Corporation ☐ Limited Liability -or- ☐ General – What State? _____ Corporate Identification No. _____
☐ Partnership ☐ Individual

By signing the Ownership Disclosure Statement, the owner(s) acknowledge that an application for a permit, map or other matter will be filed with the City of San Diego on the subject property with the intent to record an encumbrance against the property. Please list below the owner(s), applicant(s), and other financially interested persons of the above referenced property. A financially interested party includes any individual, firm, co-partnership, joint venture, association, social club, fraternal organization, corporation, estate, trust, receiver or syndicate with a financial interest in the application. If the applicant includes a corporation or partnership, include the names, titles, addresses of all individuals owning more than 10% of the shares. If a publicly-owned corporation, include the names, titles, and addresses of the corporate officers. (A separate page may be attached if necessary.) If any person is a nonprofit organization or a trust, list the names and addresses of **ANY** person serving as an officer or director of the nonprofit organization or as trustee or beneficiary of the nonprofit organization. A signature is required of at least one of the property owners. Attach additional pages if needed. Note: The applicant is responsible for notifying the Project Manager of any changes in ownership during the time the application is being processed or considered. Changes in ownership are to be given to the Project Manager at least thirty days prior to any public hearing on the subject property. Failure to provide accurate and current ownership information could result in a delay in the hearing process.

Property Owner

Name of Individual: _____ ☐ Owner ☐ Tenant/Lessee ☐ Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature: See letter of authorization Date: _____

Additional pages Attached: ☐ Yes ☐ No

Applicant

Name of Individual: _____ ☐ Owner ☐ Tenant/Lessee ☐ Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature: Carie Thao Date: _____

Additional pages Attached: ☐ Yes ☐ No

Other Financially Interested Persons

Name of Individual: _____ ☐ Owner ☐ Tenant/Lessee ☐ Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature: _____ Date: _____

Additional pages Attached: ☐ Yes ☐ No



January 6, 2021

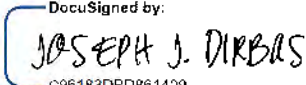
To:
MD7, LLC
Ryan Larson
10590 West Ocean Air Drive Ste. 300
San Diego, CA 92130
(858) 964-7441
rlarson@md7.com

From:
All Souls Parish of Point Loma
1475 Catalina Boulevard
San Diego, CA 92107

Re: Owner authorization for modification of existing cell site
Site ID: SD0515
Site Name: CHATSWORTH BLVD & ORCHARD AVE
Site Address: 1475 Catalina Boulevard, San Diego, CA 92107

Dear MD7:

Rector, Wardens, and Vestrymen of All Souls Parish hereby certifies that it is the legal owner of record, and hereby authorizes MD7, LLC, as agent for AT&T, to file for land use and building permit approvals for AT&T to make modifications to its existing cell site located at 1475 Catalina Boulevard, San Diego, CA 92107.

By:  DocuSigned by:
C96183DBD961409
Signature

JOSEPH J. DIRBAS Rector

Name and Title

619 223 6394

Phone

Certificate Of Completion

Envelope Id: 5C26822923D7417BACC0C9A005C27914
Subject: Please DocuSign: 10086259_No Doc ID_SD0515_Unsigned LOA_LTE 3C_12.14.20.pdf
Source Envelope:
Document Pages: 1
Certificate Pages: 5
AutoNav: Enabled
Enveloped Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Status: Completed

Envelope Originator:
Team AT&T SAQ
10590 W Ocean Air Drive
Suite 300
San Diego, CA 92130
teamATTSAQ@md7.com
IP Address: 50.57.17.57

Record Tracking

Status: Original
12/14/2020 3:29:33 PM

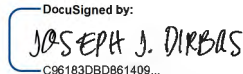
Holder: Team AT&T SAQ
teamATTSAQ@md7.com

Location: DocuSign

Signer Events

JOSEPH J. DIRBAS
jdirbas@allsoulspointloma.org
Rector
Security Level: Email, Account Authentication
(None)

Signature

DocuSigned by:

C96183DBD861409...
Signature Adoption: Pre-selected Style
Using IP Address: 75.50.127.168

Timestamp

Sent: 12/14/2020 3:51:27 PM
Resent: 12/23/2020 9:00:27 AM
Viewed: 12/15/2020 9:14:36 PM
Signed: 1/7/2021 8:17:33 AM

Electronic Record and Signature Disclosure:

Accepted: 12/15/2020 9:14:36 PM
ID: 5bcc4805-2a3a-4dca-8114-56c335942380

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Ryan Larson
rlarson@md7.com
Security Level: Email, Account Authentication
(None)

COPIED

Sent: 1/7/2021 8:17:33 AM

Electronic Record and Signature Disclosure:

Accepted: 11/24/2020 9:11:17 AM
ID: 20f62990-6cd8-4026-a5b3-1fe402723b1d

Joseph Dirbas
jdirbas@allsoulspointloma.org
Rector

COPIED

Sent: 1/7/2021 8:17:34 AM

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Accepted: 12/15/2020 9:14:36 PM
ID: 5bcc4805-2a3a-4dca-8114-56c335942380

Witness Events

Signature

Timestamp

ENCLOSURE 9**Notary Events****Signature****Timestamp****Envelope Summary Events****Status****Timestamps**

Envelope Sent

Hashed/Encrypted

12/14/2020 3:51:27 PM

Certified Delivered

Security Checked

12/15/2020 9:14:36 PM

Signing Complete

Security Checked

1/7/2021 8:17:33 AM

Completed

Security Checked

1/7/2021 8:17:34 AM

Payment Events**Status****Timestamps****Electronic Record and Signature Disclosure**

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- ii. send us an e-mail to abard@md7.com and in the body of such request you must state your e-mail, full name, US Postal Address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows® 2000, Windows® XP, Windows Vista®; Mac OS® X
Browsers:	Final release versions of Internet Explorer® 6.0 or above (Windows only); Mozilla Firefox 2.0 or above (Windows and Mac); Safari®, 3.0 or above (Mac only)
PDF Reader:	Acrobat® or similar software may be required to view and print PDF files
Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	Allow per session cookies

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- Until or unless I notify Md7 as described above, I consent to receive from exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to me by Md7 during the course of my relationship with you.

From: [Kosmo Frederick W.](#)
To: [Zounes, WilliamJ.](#)
Subject: [EXTERNAL] RE: AT&T All Souls Project No. 683088: CPG Vote
Date: Monday, June 28, 2021 9:15:56 AM

****This email came from an external source. Be cautious about clicking on any links in this email or opening attachments.****

William, it was approve unanimously 12-0.

Frederick W. Kosmo Jr.

WILSON TURNER KOSMO LLP

(619) 236-9600

fkosmo@wilsonturnerkosmo.com

From: Zounes, WilliamJ. <WZounes@sandiego.gov>
Sent: Monday, June 28, 2021 8:19 AM
To: Kosmo Frederick W. <fkosmo@wilsonturnerkosmo.com>
Subject: AT&T All Souls Project No. 683088: CPG Vote

Greetings Fred -

When you get a chance can you provide me the vote count and recommendation for the AT&T All Souls project made on June 17, 2021 so I can add this to my report.

Thank you,

William Zounes

Development Project Manager

City of San Diego

Development Services Departmen

☎: 619-687-5942

: 619-687-5942

SanDiego.gov/DSD

What's the latest? Visit sandiego.gov/dsd-email to sign up to get the latest news and updates.

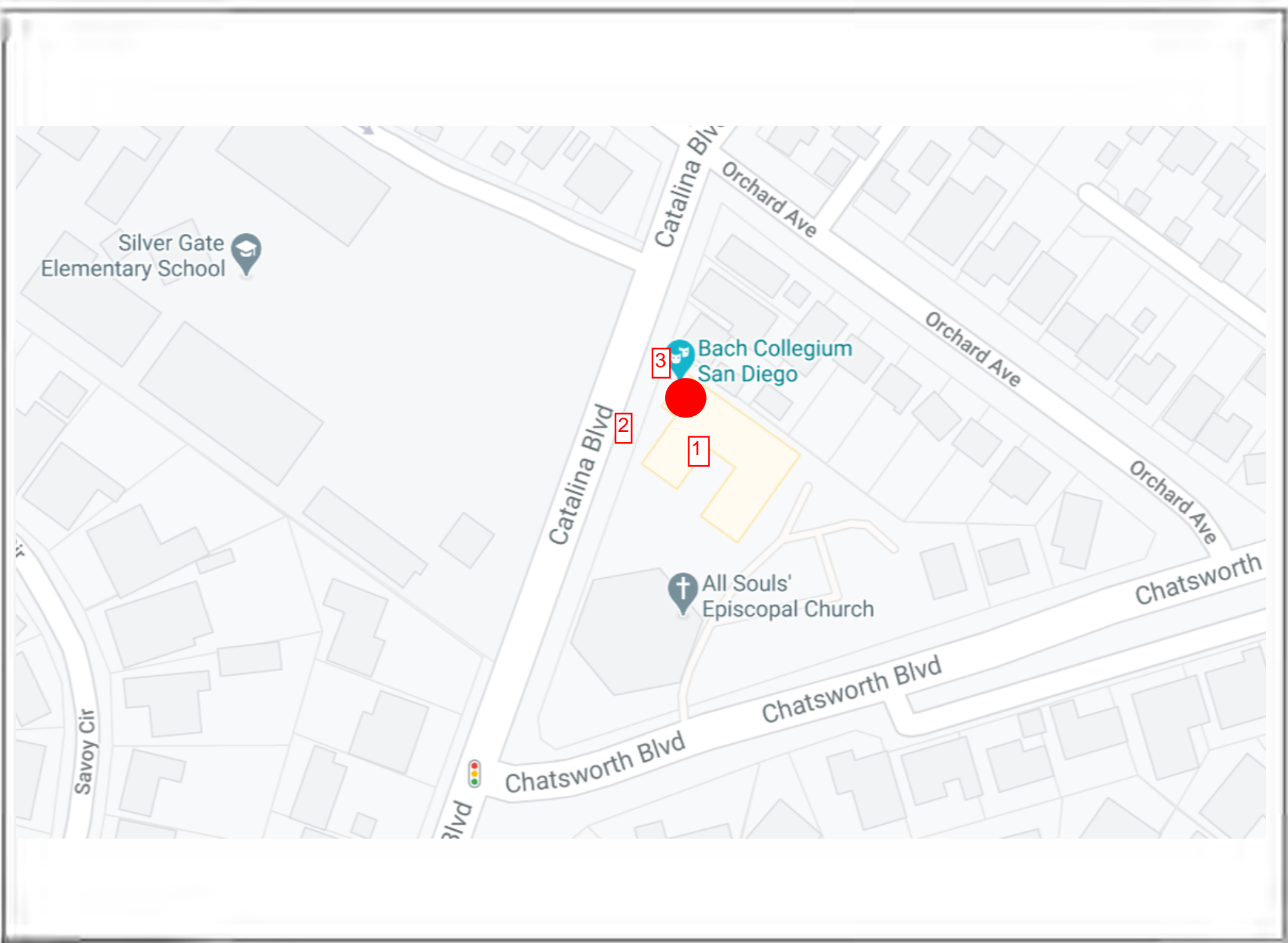
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Map



LOCATION

VIEW 1



VIEW 1

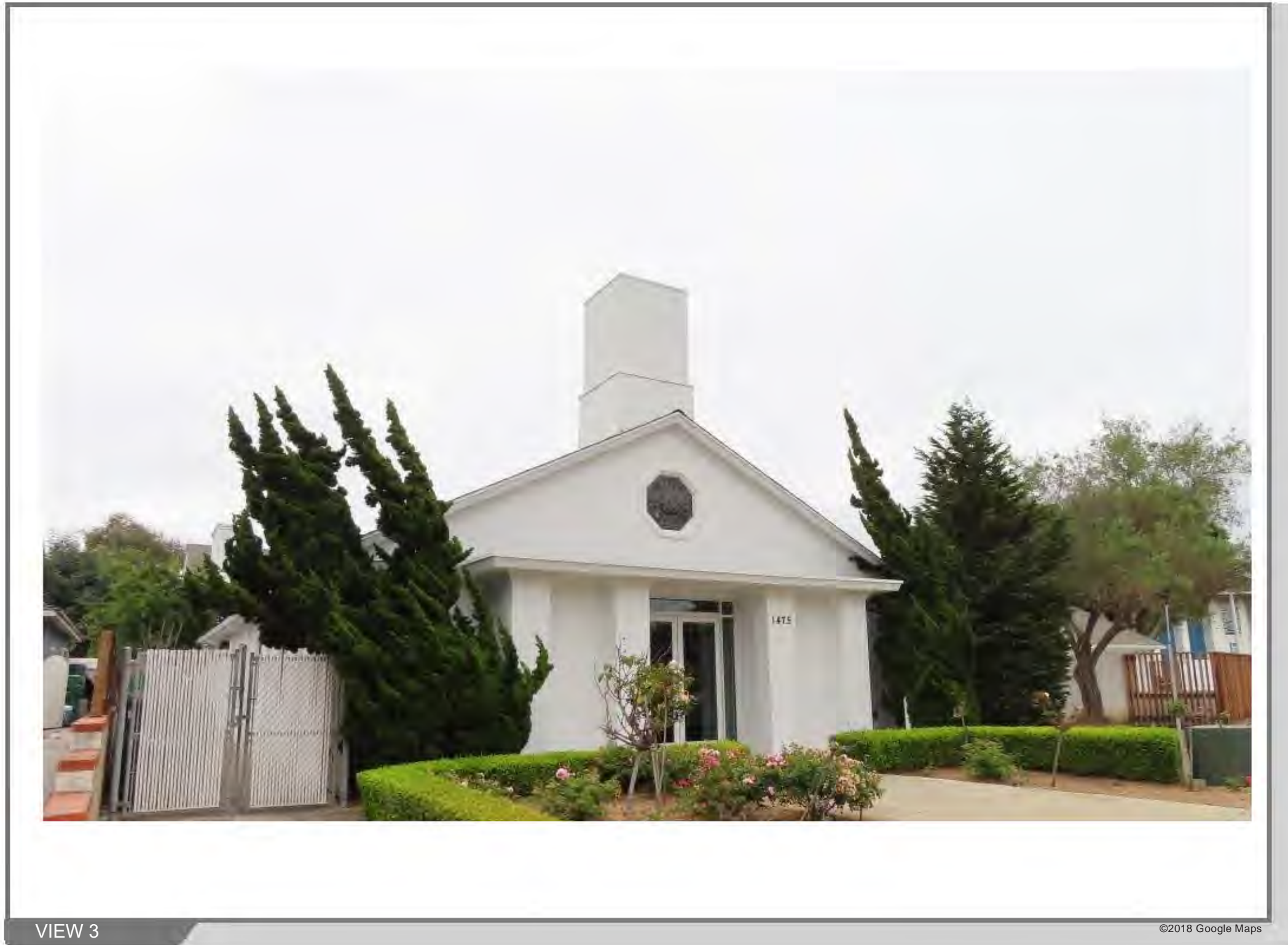
©2018 Google Maps

VIEW 2



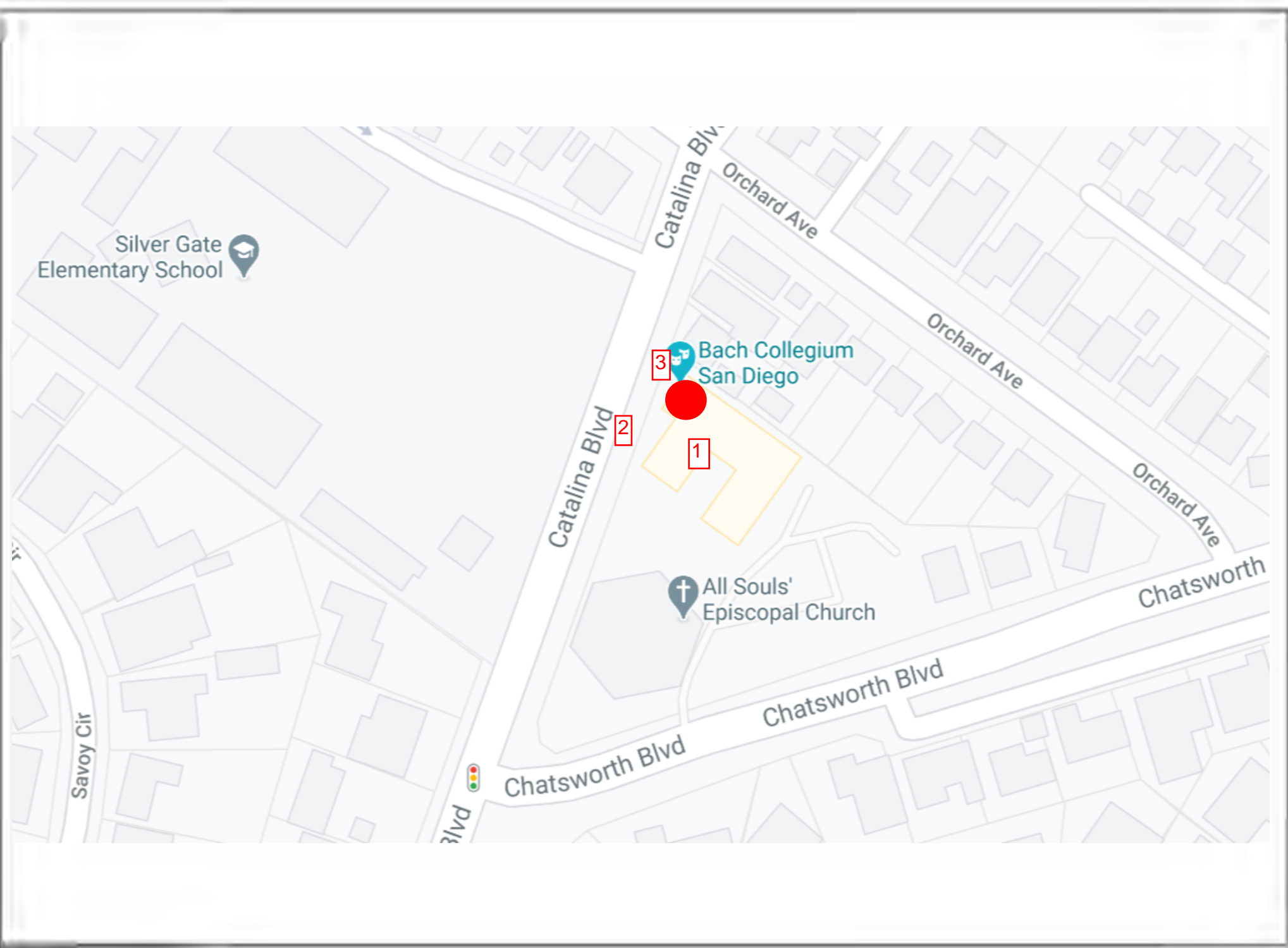
VIEW 2

VIEW 3



VIEW 3

©2018 Google Maps



LOCATION

SD0515 - Chatsworth Blvd & Orchard



1475 Catalina Boulevard, San Diego, CA 92107

VIEW 1

There are no exterior changes proposed



EXISTING

PROPOSED



EXISTING

There are no exterior changes proposed



PROPOSED

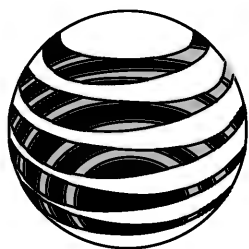


EXISTING

There are no exterior changes proposed



PROPOSED



at&t
Your world. Delivered.

CHATSWORTH BLVD & ORCHARD

SITE ID: SD0515

1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107

FA: 10086259

LTE 3C / LTE 4C / 5G NR

MRSDL033427 / MRSDL033428/ MRSDL033601

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



01/08/2021 1:25PM

O	01/08/21	ISSUED FOR PERMIT
C	12/07/20	100% CD SUBMITTAL
B	11/20/20	ANTENNA COORD.
A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

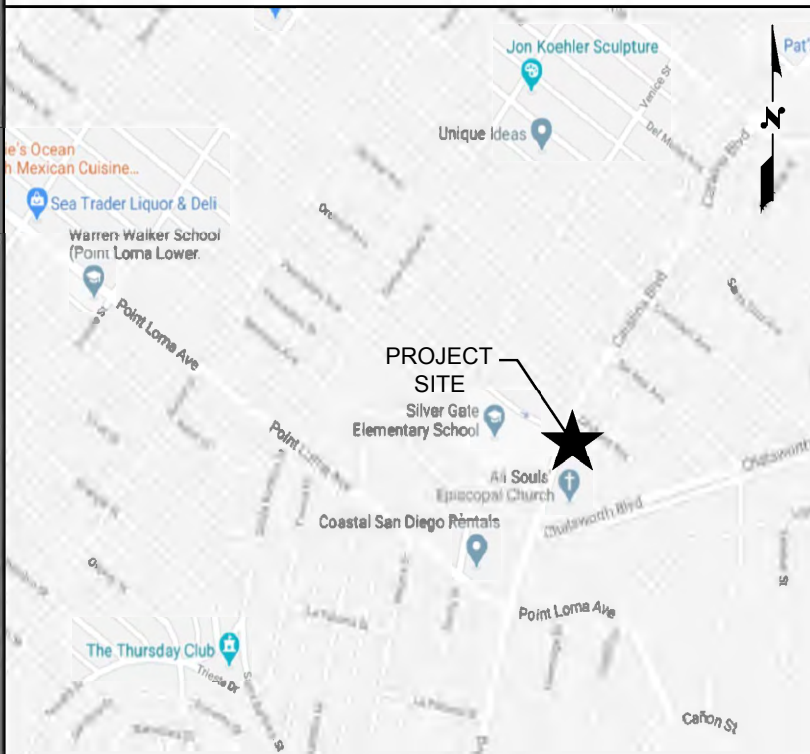


Project:
**CHATSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:
COVER SHEET

Project No.: 202107100	
Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	Drawing No.: T-1

VICINITY MAP



DRIVING DIRECTIONS

FROM AT&T OFFICE (7337 TRADE STREET, SAN DIEGO, CA 92121):

HEAD WEST ON TRADE ST TOWARD CAMINO SANTA FE. TURN LEFT ONTO CAMINO SANTA FE. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO MIRAMAR RD. TURN RIGHT TO MERGE WITH I-805 S. MERGE WITH I-805 S. KEEP LEFT TO STAY ON I-805 S. USE THE RIGHT 2 LANES TO TAKE EXIT 20 TO MERGE WITH CA-163 S TOWARD DOWNTOWN. USE THE RIGHT 2 LANES TO TAKE EXIT 3B TO MERGE WITH I-8 W. USE ANY LANE TO TURN LEFT ONTO SUNSET CLIFFS BLVD. KEEP LEFT TO CONTINUE ON NIMITZ BLVD. TURN RIGHT ONTO ATASCADERO DR. TURN LEFT ONTO CATALINA BLVD. DESTINATION WILL BE ON THE LEFT.

LEGAL DESCRIPTION

LOT 6, BLOCK 4, LOMA LINDA PARK I, THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP #2655 FILED IN THE OFFICES OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 4, 1950.

SCOPE OF WORK

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING SITE. THE SCOPE WILL CONSIST OF THE FOLLOWING:

AT ANTENNA LEVEL:

- RELOCATE, RECONFIGURE & REORIENT (3) PANEL ANTENNAS
- RELOCATE & REORIENT (1) PANEL ANTENNA
- RELOCATE & RECONFIGURE (1) ANTENNA
- RELOCATE (1) ANTENNA
- RELOCATE (6) ANTENNA PIPE MOUNTS
- RELOCATE (6) TMAS
- REMOVE (1) CUPOLA ACCESS DOOR
- INSTALL (3) RRUS
- INSTALL (1) DC9 SURGE SUPPRESSOR
- INSTALL (1) FIBER CABLE TRUNK (24 PAIR)
- INSTALL (1) DC POWER CABLE TRUNK (MIN #6 AWG)
- INSTALL (3) EXHAUST FANS
- INSTALL (1) FULL LOUVERED DOOR
- INSTALL (1) SPRING LOADED CHAIN DOOR SWING STOPPER
- INSTALL (1) THERMOSTAT
- INSTALL (1) SLACK ON LOW VOLTAGE CABLES WITHIN FLEXIBLE WIRE LOOM TUBING OR EQUAL PROTECTOR

AT EQUIPMENT LEVEL:

- INSTALL (1) ERICSSON BASEBAND 6630
- INSTALL (1) MULTISPEED SWITCH CONTROLLER
- REMOVE (6) RRUS
- INSTALL (6) RRUS

EXISTING ANTENNA COUNT:	06
FINAL ANTENNA COUNT:	06
EXISTING RRU COUNT:	06
FINAL RRU COUNT:	09

PROJECT VALUATION: \$45,000.00

PROPERTY SUMMARY

PROPERTY OWNER:	THE RECTOR, WARDENS, AND VESTRY OF ALL SOULS PARISH 1475 CATALINA BLVD SAN DIEGO, CA 92107
PARCEL #:	5301422000
LATITUDE:	32° 43' 54.5"
LONGITUDE:	-117° 14' 33.0"
ZONING JURISDICTION:	CITY OF SAN DIEGO
ZONING CLASSIFICATION:	RS-1-7
COUNTY:	SAN DIEGO
GROUND ELEVATION:	390.27' AMSL
ANTENNA TOP HEIGHT:	29'-1" AGL
OCCUPANCY GROUP:	C-3
CONSTRUCTION TYPE:	V-B
POWER COMPANY:	SDG&E
TELEPHONE COMPANY:	AT&T

CONTACTS

APPLICANT: AT&T WIRELESS 7337 TRADE STREET SAN DIEGO, CA 92121	ZONING / SITE ACQUISITION: MD7 JUSTIN CAUSEY 10590 W OCEAN AIR DR 300 SAN DIEGO, CA 92130 858-291-1869 jcausey@md7.com
PROJECT MANAGER: MD7 ROBERT POLITO 10590 W. OCEAN AIR DRIVE, STE. 300, SAN DIEGO, CA 92130 858-291-1915 rpolito@md7.com	CONSTRUCTION: AT&T WIRELESS 7337 TRADE STREET SAN DIEGO, CA 92121
A&E CONTACT: MORRISON HERSHFIELD CORP JOSH REYNOLDS 1455 LINCOLN PKWY, SUITE 500 ATLANTA, GA 30346 770-379-8500 JReynolds@morrisonhershfield.com	RF ENGINEER: AT&T WIRELESS TARIQ SIDDIQUI SAN DIEGO, CA 92121 ts013n@att.com

APPLICABLE CODES

1. 2019 EDITION OF THE CALIFORNIA BUILDING CODE VOLUME 1 & 2
2. 2019 EDITION OF THE CALIFORNIA MECHANICAL CODE
3. 2019 EDITION OF THE CALIFORNIA PLUMBING CODE
4. 2019 EDITION OF THE CALIFORNIA ELECTRICAL CODE
5. 2019 EDITION OF THE EXISTING BUILDING CODE
6. 2019 EDITION OF THE CALIFORNIA FIRE CODE
7. 2019 EDITION OF THE CALIFORNIA ENERGY CODE
8. 2019 EDITION OF THE CALIFORNIA RESIDENTIAL CODE
9. 2019 EDITION OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE
10. 2019 EDITION OF THE CALIFORNIA HISTORICAL BUILDING CODE
11. 2018 INTERNATIONAL POOL AND SPA CODE
12. 2018 INTERNATIONAL PROPERTY MANAGEMENT CODE

ADDITIONS AND MODIFICATIONS TO THE CALIFORNIA CODES:

- A. CALIFORNIA BUILDING CODE - CHAPTER 14, ARTICLE 5, DIVISION 1-36
- B. CALIFORNIA RESIDENTIAL CODE - CHAPTER 14, ARTICLE 9, DIVISION 1-45
- C. CALIFORNIA GREEN BUILDING STANDARDS CODE - CHAPTER 14, ARTICLE 10, DIVISION 1-6
- D. CALIFORNIA EXISTING BUILDING CODE - CHAPTER 14, ARTICLE 11, DIVISION 1-17

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A-1	SITE PLAN	0
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A-4	EXISTING PLAN AND SCHEDULE	0
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A-5	NORTHEAST ELEVATIONS	0
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AT&T COMPLIANCE	_____
AT&T RF ENGINEER	_____
AT&T OPERATIONS	_____
AT&T PM	_____
CONSTRUCTION	_____
SITE ACQUISITION	_____



Know what's below.
Call before you dig.

NOTE:
48 HOURS PRIOR TO DIGGING,
CONTRACTOR TO NOTIFY ALL UTILITY
COMPANIES TO LOCATE ALL
UNDERGROUND UTILITIES

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GENERAL CONSTRUCTION NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – SEE PROJECT TEAM IN TITLE SHEET
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – AT&T
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
3. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. VERIFY WITH SITE OWNER IF A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE PROCEEDING WITH ANY CONSTRUCTION.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOWN DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND AS PER CALIFORNIA BUILDING CODE CHAPTER 33 AS STATED IN THE ENTIRE CHAPTER.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
14. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
15. SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
16. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS,

CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR’S EXPENSE TO THE SATISFACTION OF THE OWNER.

17. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
21. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OT 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE E ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
24. THE AREAS OF THE OWNER’S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
25. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
27. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT MODIFIED PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT MODIFIED PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
29. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
30. SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
31. SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
32. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
35. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A

CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

36. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
37. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
38. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
39. NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
40. ALL FIBER/POWER CABLE INSTALLATIONS TO FOLLOW MANUFACTURER’S INSTRUCTIONS AND RECOMMENDATIONS.
41. NO NOISE, SMOKE, DUST, ODOR, OR VIBRATIONS WILL RESULT FROM THIS FACILITY.
42. NO LANDSCAPING IS PROPOSED AT THIS SITE.

SITE WORK & DRAINAGE

PART 1 – GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1.1 REFERENCES:

- A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION–CURRENT EDMON).
- B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
- C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

1.2 INSPECTION AND TESTING:

- A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.
- B. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR’S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

1.3 SITE MAINTENANCE AND PROTECTION:

- A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
- B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
- C. KEEP SITE FREE OF ALL PONDING WATER.
- D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
- E. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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C	12/07/20	100% CD SUBMITTAL
B	11/20/20	ANTENNA COORD.
A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



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AIR DRIVE, SUITE 300
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Applicant:



Plans Prepared By:



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Project:

CHARTSWORTH BLVD
& ORCHARD
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FA: 10086259

Drawing Title:

GENERAL NOTES

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

G-1

SCALE IS BASE ON 22" X 34" 10" SIZE

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G. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 – PRODUCTS

2.1 SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III OR IVA) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.

2.2 NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE. FREE FROM FROZEN LUMPS, REFUSE. STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.

2.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL

2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95. FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.

2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).

2.6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.

2.7 UNSUITABLE MATERIAL HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION. AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER, TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.

2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL.

2.9 PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES. 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.

PART 3 – EXECUTION

3.1 GENERAL:

- A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
- B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
- C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.

1. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.

2. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.

3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.

A. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.

B. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.

C. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.

3.2 BACKFILL:

A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.

1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES. ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS. AND UNSUITABLE MATERIALS.

2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.

3. WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. DIE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.

B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 698.

3.3 TRENCH EXCAVATION:

A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.

B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.

C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

3.4 TRENCH BACKFILL:

A. PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.

B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.

C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.

D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.

E. PROTECT CONDUIT FROM LATERAL MOVEMENT. IMPACT DAMAGE, OR UNBALANCED LOADING.

F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.

G. 3.5 COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 698.

3.5 AGGREGATE ACCESS ROAD:

A. CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL. ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.

B. THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.

C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500Xi) SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.

1. OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.

2. TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.

3. ALL OVERLAPS SHALL BE PINNED WIN STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET.

D. THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCH (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO COMPACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE FABRIC.

E. THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A PNEUMATIC-TIRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.

3.6 FINISH GRADING:

A. PERFORM ALL GRADING TO PROVIDE POSITNE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.

B. UTILIZE SATISFACTORY ALL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.

C. ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" – 3/4" CRUSHED STONE ON TOP SOIL STABILIZER FABRIC.

D. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

3.7 ASPHALT PAVING ROAD:

A. CHAPTER 630 – CALIFORNIA DEPARTMENT OF TRANSPORTATION FLEXIBLE PAVEMENT.

B. DESIGN GUIDE AND STANDARDS FOR ROADWAY REHABILITATION PROJECTS (DIB 79-03).

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFELD CORPORATION. NEITHER MORRISON HERSHFELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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Plans Prepared For:



Applicant:



Plans Prepared By:



Project:
**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
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Drawing Title:

GENERAL NOTES

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ELECTRICAL NOTES

PART 1 – GENERAL

1.1 GENERAL CONDITIONS:

- A. CONTRACTOR SHALL INSPECT THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE SUBCONTRACTORS FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
- B. THE SUBCONTRACTOR SHALL OBTAIN PERMITS, LICENSES, MAKE ALL DEPOSITS, AND PAY ALL FEES REQUIRED FOR THE CONSTRUCTION PERFORMANCE FOR THE WORK UNDER THIS SECTION.
- C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWING SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES.

- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. CONDUIT BENDS SHALL BE THE RADIUS BEND FOR THE TRADE SIZE OF CONDUIT IN COMPLIANCE WITH THE LATEST EDITIONS OF NEC.

1.3 REFERENCES:

- A. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE. THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION UNLESS OTHERWISE NOTED. EXCEPT AS MODIFIED BY THE REQUIREMENT SPECIFIED HEREIN OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISION OF THESE PUBLICATIONS.

1. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)
2. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
3. ICE (INSULATED CABLE ENGINEERS ASSOCIATION)
4. NEMA (NATIONAL ELECTRICAL MANUFACTURER’S ASSOCIATION)
5. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
6. OSHA (OCCUPATIONAL SAFETY MID HEALTH ADMINISTRATION)
7. UL (UNDERWRITERS LABORATORIES. NC.)
8. AT&T GROUNDING MID BONING STANDARDS TP-76416

1.4 SCOPE OF WORK:

- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES REQUIRED TO COMPLETE REQUIRED CONSTRUCTION AND BE OPERATIONAL.
- B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE SUBCONTRACTOR.
- C. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES, BACKFILLING. AND REMOVAL OF EXCESS DIRT.
- D. THE SUBCONTRACTOR SHALL FURNISH TO THE OWNER WITH CERTIFICATES OF A FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES HAVING JURISDICTION.
- E. THE SUBCONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS, DOCUMENT ALL WIRING EQUIPMENT CONDITIONS, AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT COMPLETION OF TIE PROJECT.

PART 2 – PRODUCTS

2.1 GENERAL:

- A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS.
- B. ALL ITEMS OF MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.
- C. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE
- D. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH he ARE SUBJECTED, 10,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT.

2.2 MATERIALS AND EQUIPMENT:

A. CONDUIT:

1. RIGID METAL CONDUIT (RMC) SHALL BE HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION 10 GALVANIZING
2. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE UL LISTED
3. CONDUIT CLAMPS, STRAPS AND SUPPORTS SHALL BE STEEL OR MALLEABLE IRON. ALL FITTINGS SHALL BE COMPRESSION AND CONCRETE TIGHT TYPE. GROUNDING BUSHINGS WITH INSULATED THROATS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.
4. NONMETALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 PVC. INSTALL USING SOLVENT-CEMENT-TYPE JOINTS AS RECOMMENDED BY THE MANUFACTURER.

B. CONDUCTORS AND CABLE:

1. CONDUCTORS AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC SINGLE CONDUCTOR. COPPER. TYPE THIN/THWN-2. 600 VOLT. SIZE AS INDICATED. #12 AWG SHALL BE TIE MINIMUM SIZE CONDUCTOR USED.

2. #10 AWG AND SMALLER CONDUCTOR SHALL BE SOLID OR STRANDED MID #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.

3. SOLDERLESS, COMPRESSION-TYPE CONNECTORS SHALL BE USED FOR TERMINATION OF ALL STRANDED CONDUCTORS.

4. STRAIN-RELIEF SUPPORTS GRIPS SHALL BE HUBBELL KELLEMS OR APPROVED EQUAL. CABLES SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC AND CABLE MANUFACTURER’S RECOMMENDATIONS. ALL CONDUCTORS SHALL BE TAGGED AT BOTH ENDS OF THE CONDUCTOR, AT ALL PULL BOXES, J-BOXES.

5. EQUIPMENT AND CABINETS AND SHALL BE IDENTIFIED WITH APPROVED PLASTIC TAGS (ACTION CRAFT, BRADY, OR APPROVED EQUAL).

C. DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY. DEAD-FRONT, QUICK-MAKE, QUICK-BREAK, EXTERNALLY OPERABLE. HANDLE LOCKABLE AND INTERLOCK WITH COVER IN CLOSED POSITION. RATING AS INDICATED. UL LABELED FURNISHED IN NEMA 3R ENCLOSURE, SQUARE-D OR ENGINEERED APPROVED EQUAL.

D. CHEMICAL ELECTROLYTIC GROUNDING SYSTEM:

1. INSTALL CHEMICAL GROUNDING AS REQUIRED. THE SYSTEM SHALL BE ELECTROLYTIC MAINTENANCE FREE ELECTRODE CONSISTING OF RODS WITH A MINIMUM 2 AWG CU EXOTHERMALLY WELDED PIGTAIL, PROTECTIVE BOXES. AND BACKFILL MATERIAL MANUFACTURER SHALL BE LYNCOLE KIT GROUNDING ROD TYPES K2-(*)CS OR K2L-(*)CS (*) LENGTH AS REQUIRED.

2. GROUND ACCESS BOX SHALL BE A POLY PLASTIC BOX FOR NON-TRAFFIC APPLICATIONS, INCLUDING BOLT DOWN FLUSH COVER WITH "BREATHER" HOLES. KIT MODEL #XB-22. ALL DISCONNECT SWITCHES AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES INDICATING EQUIPMENT CONTROLLED. BRANCH CIRCUITS ID NUMBERING, AND THE ELECTRICAL POWER SOURCE.

3. BACKFILL MATERIAL SHALL BE LYNCONITE AND LYNCOLE GROUNDING GRAVEL.

E. SYSTEM GROUNDING:

1. ALL GROUNDING COMPONENTS SHALL BE TINNED AND GROUNDING CONDUCTOR SHALL BE 2 AWG BARE, SOLID, TINNED, COPPER. ABOVE GRADE GROUNDING CONDUCTORS SHALL BE INSULATED WHERE NOTED.

2. GROUNDING BUSES SHALL BE BARE. TINNED. ANNEALED COPPER BARS OF RECTANGULAR CROSS SECTION. STANDARD BUS BARS MGB, SHALL BE FURNISHED AND INSTALLED BY THE SUBCONTRACTOR. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD. ALL GROUNDING BUSES SHALL BE IDENTIFIED WITH MINIMUM 3/4" LETTERS BY WAY OF STENCILING OR DESIGNATION PLATE.

3. CONNECTORS SHALL BE HIGH-CONDUCTIVITY, HEAVY DUTY, LISTED AND LABELED AS GROUNDING FOR THE MATERIALS USED. USE TWO-HOLE COMPRESSION LUGS WITH HEAT SHRINK FOR MECHANICAL CONNECTIONS. INTERIOR CONNECTIONS USE TWO-HOLE COMPRESSION LUGS WITH INSPECTION WINDOW AND CLEAR HEAT SHRINK.

4. EXOTHERMIC WELDED CONNECTIONS SHALL BE PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.

5. GROUND RODS SHALL BE COPPER-CLAD STEEL WITH HIGH-STRENGTH STEEL CORE AND ELECTROLYTIC-GRADE COPPER OUTER SHEATH, MOLTEN WELDED TO CORE, 5/8"x10'-0". ALL GROUNDING RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES.

6. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS IN COMPLIANCE WITH THE AT&T SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULLBOXES, DISCONNECT SWITCHES, STARTERS AND EQUIPMENT CABINETS.

F. OTHER MATERIALS:

1. THE SUBCONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED, WHICH ARE REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM AND PROPER INSTALLATION OF THE WORK.

2. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.

G. PANELS AND LOAD CENTERS:

1. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN.

PART 3 – EXECUTION

3.1 GENERAL:

- A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER’S RECOMMENDATIONS.
- B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURIINSTALLATION AND CONSTRUCTION PERIODS.

3.2 LABOR AND WORKMANSHIP:

- A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIREMEN, IN A NEAT AND WORKMAN-LIKE MANNER.
- B. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE SUBCONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.
- C. UPON COMPLETION OF WORK, THE SUBCONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT. REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

3.3 COORDINATION:

- A. THE SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

3.4 INSTALLATION:

A. CONDUIT:

1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH TRADE SIZE.

2. PROVIDE RIGID PVC SCHEDULE 80 CONDUITS FOR ALL RISERS, RMC OTHERWISE NOTED. EMT MAY BE INSTALLED FOR EXTERIOR CONDUITS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.

3. THE INSTALLATION OF SCHEDULE 40 PVC AND RMC CONDUITS SHALL BE 24 INCHES MINIMUM DEPTH. ALL 90 DEGREE BENDS SHALL BE RMC. EXPANSION JOINTS ARE REQUIRED ON ALL CONDUIT RISERS.

4. USE GALVANIZED FLEXIBLE STEEL CONDUIT WHERE DIRECT CONNECTION TO EQUIPMENT WITH MOVEMENT, VIBRATION, OR FOR EASE OF MAINTENANCE. USE LIQUID TIGHT, FLEXIBLE METAL CONDUIT FOR OUTDOOR APPLICATIONS. INSTALL GALVANIZED FLEXIBLE STEEL CONDUIT AT ALL POINTS OF CONNECTION TO EQUIPMENT MOUNTED ON SUPPORT TO ALLOW FOR EXPANSION AND CONTRACTION.

5. A RUN OF CONDUIT BETWEEN BOXES OR EQUIPMENT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF THREE QUARTER-BENDS. CONDUIT BEND SHALL BE MADE WITH THE UL LISTED BENDER OR FACTORY 90 DEGREE ELBOWS MAY BE USED.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFELD CORPORATION. NEITHER MORRISON HERSHFELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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GENERAL NOTES

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ELECTRICAL NOTES

6. FIELD FABRICATED CONDUITS SHALL BE CUT SQUARE WITH A CONDUIT CUTTING TOOL AND REAMED TO PROVIDE A SMOOTH INSIDE SURFACE.
7. PROVIDE INSULATED GROUNDING BUSHING FOR ALL CONDUITS.
8. SUBCONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING CONSTRUCTION. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. SUBCONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.
9. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATE SIZE MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF CONDUCTORS OR CABLES. CONDUIT SHALL BE FREE OF DIRT AND DEBRIS.
10. INSTALL PULL STRINGS IN ALL CLEAN EMPTY CONDUITS. IDENTIFY PULL STRINGS AT EACH END.
11. INSTALL 2" HIGHLY VISIBLE AND DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND CONDUITS AND CONDUCTORS.
12. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO INSURE AGAINST COLLECTION OF TRAPPED CONDENSATION.
13. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS TO ALLOW FOR RACEWAYS AND CABLES TO BE ROUTED THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE EFFECTIVELY SEALED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL OR STRUCTURE. FIRE STOPS AT FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE, AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.

B. CONDUCTORS AND CABLE:

- 1 ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

DESCRIPTION	208/240/120 VOLT SYSTEMS
PHASE A	BLACK
PHASE B	RED
PHASE C	BLUE
NEUTRAL	WHITE
GROUNDING	GREEN

4. SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES, OR ACCESSIBLE RACEWAY CONDULETS APPROVED FOR THIS PURPOSE.
5. PULLING LUBRICANTS SHALL BE UL APPROVED. SUBCONTRACTOR SHALL USE NYLON OR HEMP ROPE FOR PULLING CONDUCTOR OR CABLES INTO THE CONDUIT.
6. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING AND BE OF SUFFICIENT LENGTH IN ALL BOXES & EQUIPMENT TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS. CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY AND MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS ARE PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE SUBCONTRACTOR'S EXPENSE.

C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.

D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, AT&T GROUNDING AND BONDING STANDARDS TP-76416, ND-00135, AND THE NATIONAL ELECTRICAL CODE.
2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUNDING CONDUCTORS SHALL NOT BE LOOPED OR SHARPLY BENT. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES.
4. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE SUBCONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP,

- TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE STANDARD 6.3.2.2.
5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UL TO ASSURE PERMANENT AND EFFECTIVE GROUNDING. SUBCONTRACTOR SHALL VERIFY THE LOCATIONS OF GROUNDING TIE-IN-POINTS TO THE EXISTING.
6. GROUNDING SYSTEM. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BY THE INSPECTOR HAVING JURISDICTION BEFORE BEING PERMANENTLY CONCEALED.
8. APPLY CORROSION-RESISTANCE FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED. USE KOPR-SHIELD ANTI-OXIDATION COMPOUND ON ALL COMPRESSION GROUNDING CONNECTIONS.
9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
10. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE 6 AWG GROUNDING CONDUCTOR TO A GROUND BUS.
11. DIRECT BURIED GROUNDING CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 36" MINIMUM BELOW GRADE, OR 6" BELOW THE FROST LINE, USE THE GREATER OF THE TWO DISTANCES.
12. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
13. THE INSTALLATION OF CHEMICAL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE SEALING TAPE FROM LEACHING AND BREATHER HOLES. INSTALL PROTECTIVE BOX FLUSH WITH GRADE.
14. DRIVE GROUND RODS UNTIL TOPS ARE A MINIMUM DISTANCE OF 36" DEPTH OR 6" BELOW FROST LINE, USING THE GREATER OF THE TWO DISTANCES.
15. IF COAX ON THE ICE BRIDGE IS MORE THAN 6 FT. FROM THE GROUNDING BAR AT THE BASE OF THE TOWER, A SECOND GROUNDING BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE, TO GROUND THE COAX CABLE GROUNDING KITS AND IN-LINE ARRESTERS.
16. SUBCONTRACTOR SHALL REPAIR, AND/OR REPLACE, EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE SUBCONTRACTORS EXPENSE.

3.5 ACCEPTANCE TESTING:

- A. CERTIFIED PERSONNEL USING CERTIFIED EQUIPMENT SHALL PERFORM REQUIRED TESTS AND SUBMIT WRITTEN TEST REPORTS UPON COMPLETION.
- B. WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, THE NON COMPLYING ITEMS SHALL BE REMOVED FROM THE PROJECT SITE AND REPLACED WITH ITEMS COMPLYING WITH THE SPECIFIED REQUIREMENTS PROMPTLY AFTER RECEIPT OF NOTICE FOR NON-COMPLIANCE.

C. TEST PROCEDURES:

1. ALL FEEDERS SHALL HAVE INSULATION TESTED AFTER INSTALLATION, BEFORE CONNECTION TO DEVICES. THE CONDUCTORS SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS. TESTING SHALL BE FOR ONE MINUTE USING 1000V DC. PROVIDE WRITTEN DOCUMENTATION FOR ALL TEST LISTED TO SUBCONTRACTOR.
2. PRIOR TO ENERGIZING CIRCUITRY, TEST WIRING DEVICES FOR ELECTRICAL CONTINUITY AND PROPER POLARITY CONNECTIONS.
3. MEASURE AND RECORD VOLTAGES BETWEEN PHASES AND BETWEEN PHASE CONDUCTORS AND NEUTRALS. SUBMIT A REPORT OF MAXIMUM AND MINIMUM VOLTAGES.
4. PERFORM GROUNDING TEST TO MEASURE GROUNDING RESISTANCE OF GROUNDING SYSTEM USING THE IEEE STANDARD 3-POINT "FALL-OF-POTENTIAL" METHOD. PROVIDE PLOTTED TEST VALUES AND LOCATION SKETCH. NOTIFY THE ENGINEER IMMEDIATELY IF MEASURED VALUE IS OVER 5 OHMS.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



01/08/2021 1:25PM

O	01/08/21	ISSUED FOR PERMIT
C	12/07/20	100% CD SUBMITTAL
B	11/20/20	ANTENNA COORD.
A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



MORRISON HERSHFIELD
5100 SW MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

GENERAL NOTES

Project No.:

202107100

Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	Drawing No.: G-4

SCALE IS BASE ON 22" X 34" 10" SIZE

DocuSign Envelope ID: 5C268228-2307-4178-AC00-C8A005C27914

MD7

January 6, 2021

To:
MD7, LLC
Ryan Larson
10590 West Ocean Air Drive Ste. 300
San Diego, CA 92130
(858) 964-7441
rlanson@md7.com

From:
All Souls Parish of Point Loma
1475 Catalina Boulevard
San Diego, CA 92107

Re: Owner authorization for modification of existing cell site
Site ID: SD0515
Site Name: CHATSWORTH BLVD & ORCHARD AVE
Site Address: 1475 Catalina Boulevard, San Diego, CA 92107

Dear MD7:

Rector, Wardens, and Vestrymen of All Souls Parish hereby certifies that it is the legal owner of record, and hereby authorizes MD7, LLC, as agent for AT&T, to file for land use and building permit approvals for AT&T to make modifications to its existing cell site located at 1475 Catalina Boulevard, San Diego, CA 92107.

By: JOSEPH J. DIRBAS
Signature

JOSEPH J. DIRBAS Rector

Name and Title

619 223 6394

Phone

10590 W. Ocean Air Drive, Suite 300
San Diego, CA 92130



Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT TOLL FREE: 1-800-227-2600 OR WWW.DIGALERT.ORG
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

AT&T ANTENNA AND ANCILLARY EQUIPMENT CONCEALED BEHIND EXISTING FRP CHURCH CUPOLA (TYP)

EXISTING TRANSFORMER (TYP)

EXISTING AT&T EQUIPMENT COMPOUND AT GROUND LEVEL

CATALINA BLVD

CHATSWORTH BLVD

THIS IS NOT A SURVEY

ALL INFORMATION AND TRUE NORTH HAVE BEEN OBTAINED FROM EXISTING DRAWINGS AND ARE APPROXIMATE.

EXISTING ADJACENT PROPERTY LINE (TYP)

EXISTING BUILDING (TYP)

EXISTING PROPERTY LINE

PARCEL NUMBER:
5301422000

PARCEL NUMBER:
5301422000

EXISTING PARKING AREA (BELOW)

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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Plans Prepared For:

md7

10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:

MH
MORRISON HERSHFIELD
5100 SW MACADAM AVE, SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:
**CHATSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

SITE PLAN

Project No.:
202107100

Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval

Issue No.:
0

Drawing No.:
A-1



PLAN NORTH

30' 0 15' 30'

SCALE: 1"=30'-0" (22x34)
(OR) 1/2"=30'-0" (11x17)

1

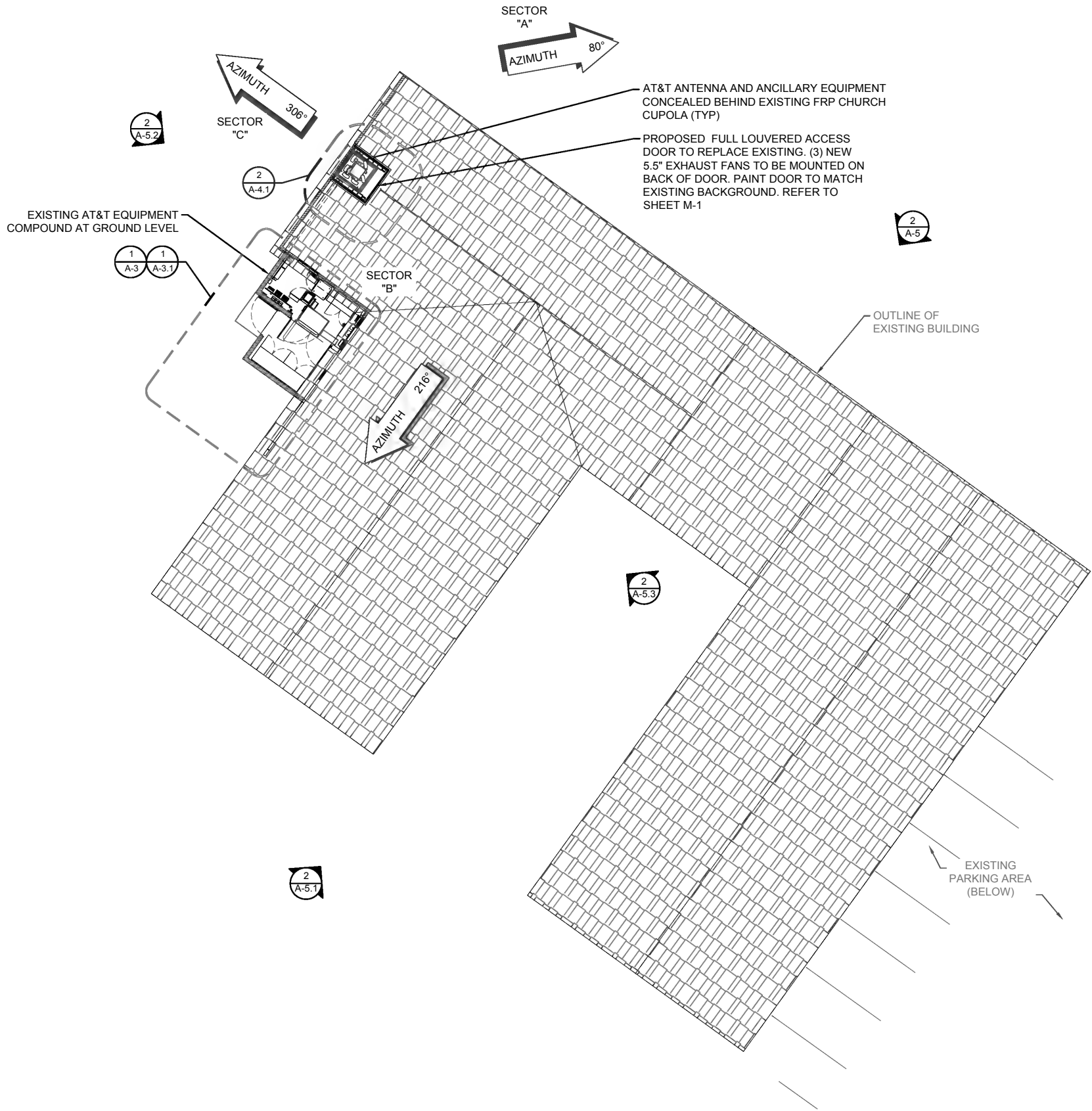
SCALE IS BASE ON 22" X 34" 11" SIZE

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NOTE:
SEE A-4.1 FOR ANTENNA PLAN

NOTE:
ONLY AT&T ANTENNA ARRAY SHOWN FOR CLARITY; SEE ELEVATIONS

ROOF PLAN



0 3' 6' 12' SCALE: 3/32"=1'-0" (22x34)
(OR) 3/64"=1'-0" (11x17)

1

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Applicant:



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Project:
**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

ROOF PLAN

Project No.:

202107100

Designer:	Date:
SB	08/14/20
Drawn By:	Checked By:
RM	SS
PM Review:	Client Approval
JR	

Issue No.:

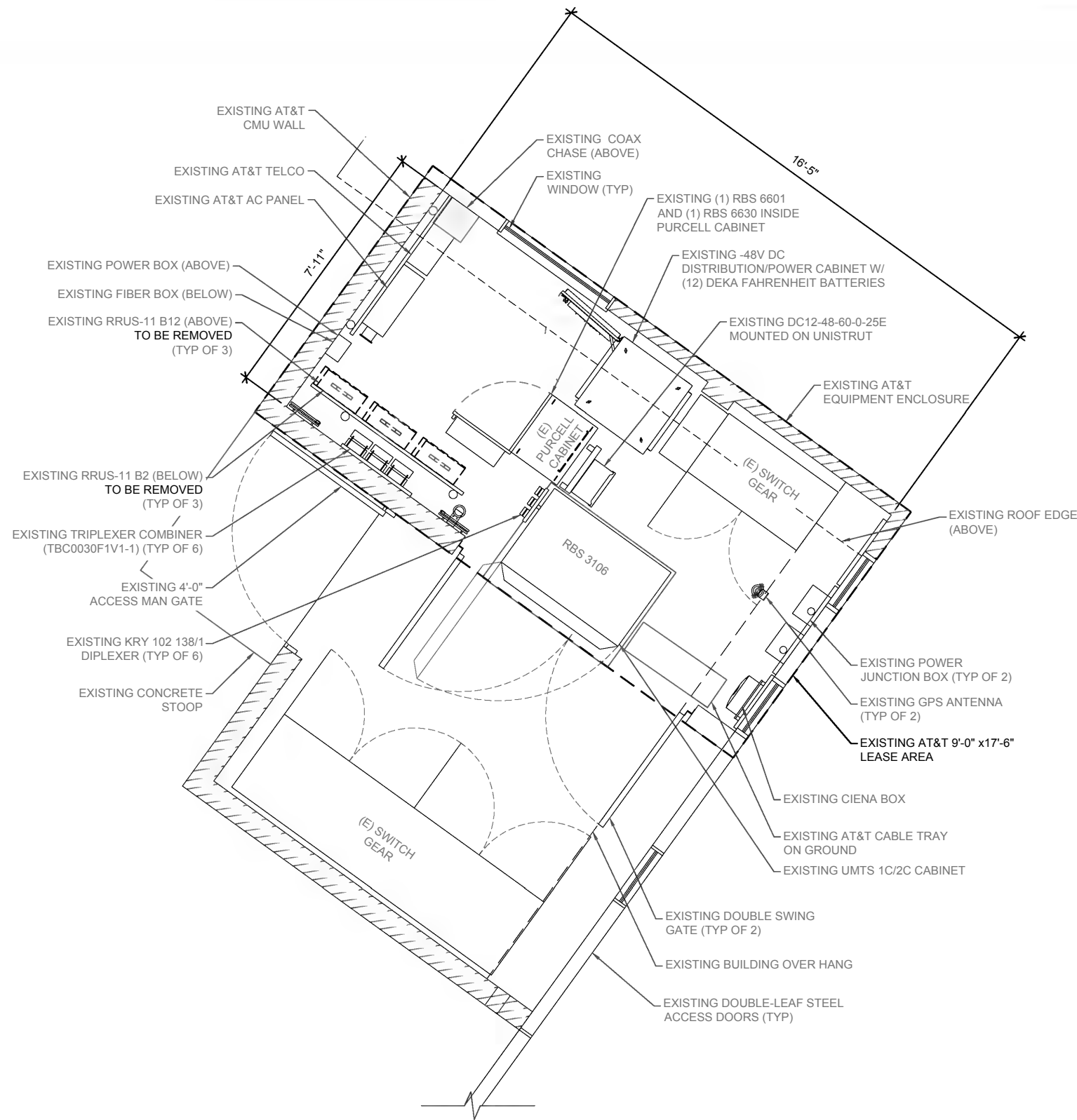
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Drawing No.

A-2

SCALE IS BASE ON 22" X 34" 10" SIZE

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EXISTING EQUIPMENT PLAN

0 6" 1" 2"

SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

1

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Project:
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& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

**EXISTING
EQUIPMENT PLAN**

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

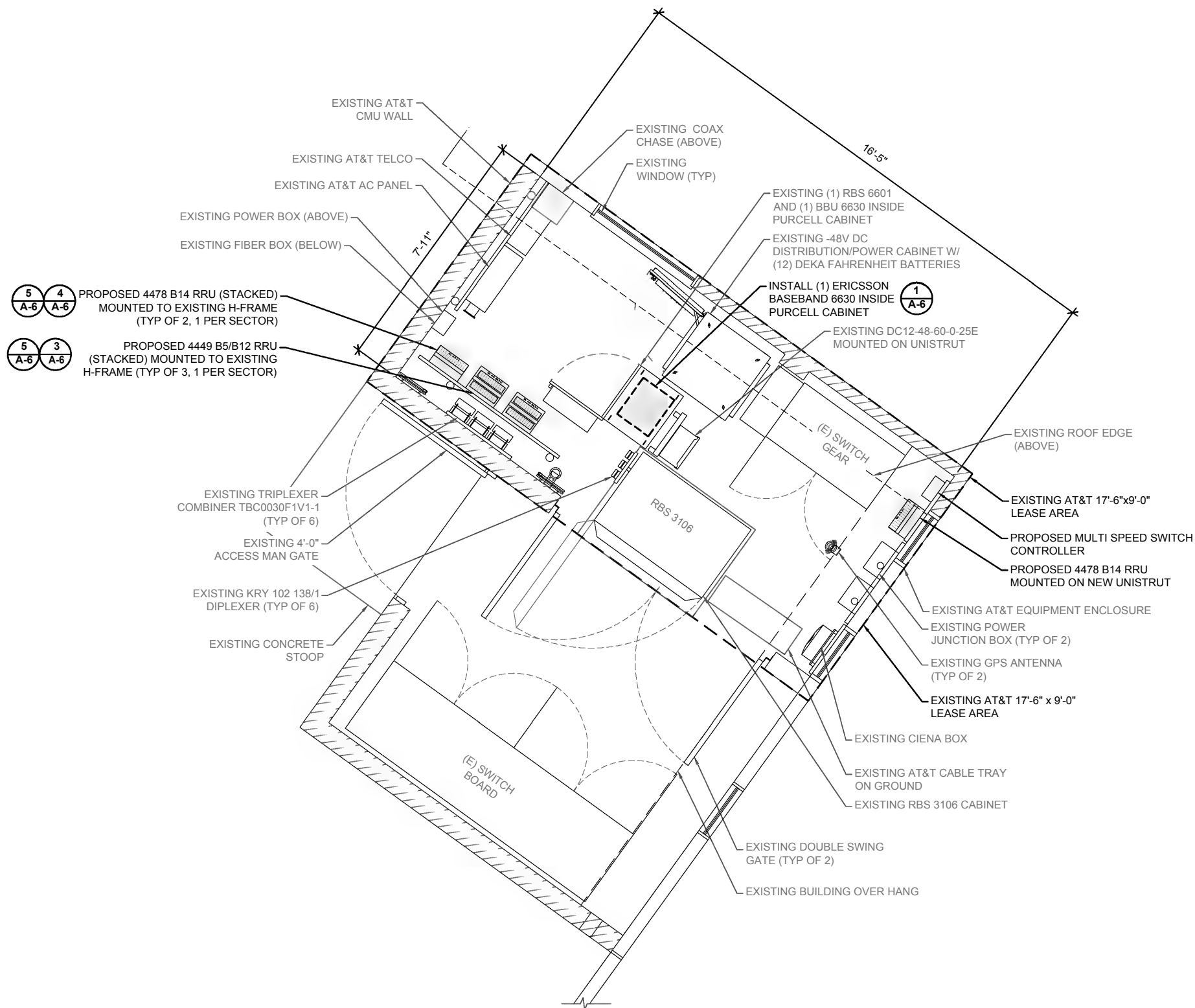
Drawing No.

A-3

SCALE IS BASE ON 22" X 34" 10" SIZE

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POWER AUDIT AND
EXTENDER ANALYSIS
PENDING



PROPOSED EQUIPMENT PLAN

0 6" 1" 2"

SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

1

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Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

PROPOSED
EQUIPMENT PLAN

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

A-3.1

SCALE IS BASE ON 22" X 34" 10" SIZE

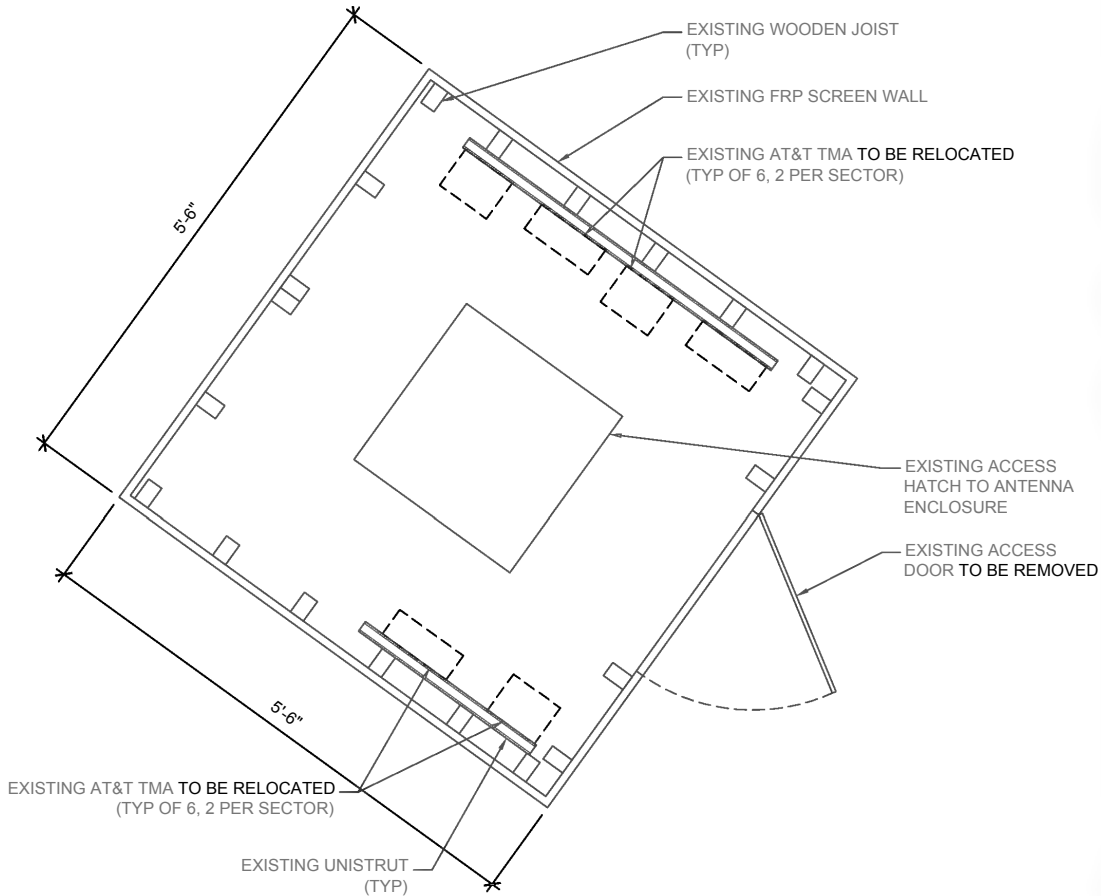
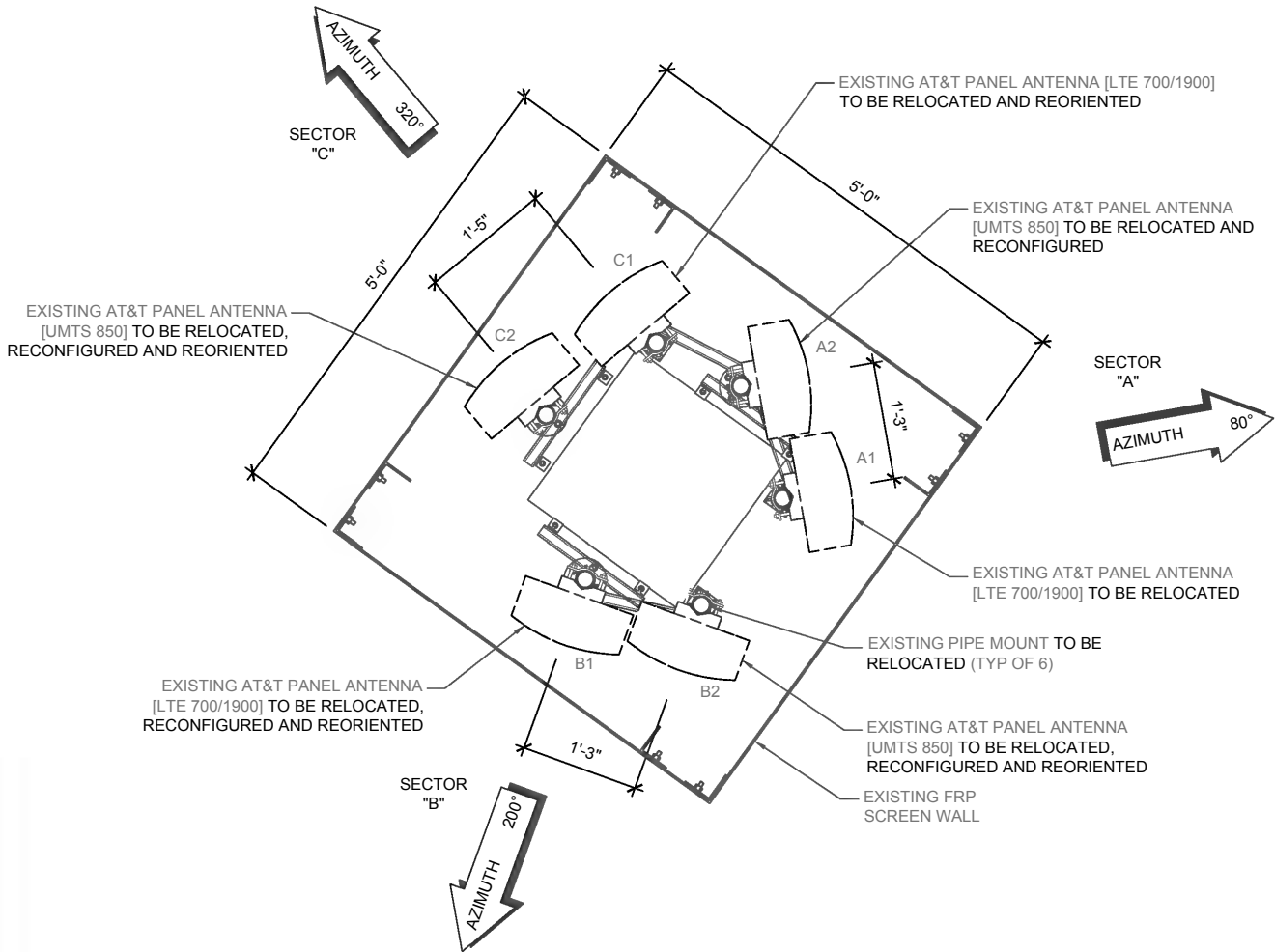
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NOTE: REFER TO MOUNT MAPPING REPORT PERFORMED BY MORRISON HERSHFIELD ON 06/30/2020.

EXISTING ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 1.0 - DATED 10-28-20									
SECTOR A	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	LTE 700	A1	80°	26'-9"	80010864	(1) TMA2093F00V1-1	(1) RRUS -11 B12 (1) RRUS -11 B2		7/8" COAX
	LTE 1900								
	UMTS 850	A2	80°	26'-9"	80010864	(1) E15Z01P13	-		7/8" COAX
SECTOR B	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	LTE 700	B1	200°	26'-9"	80010864	(1) TMA2093F00V1-1	(1) RRUS -11 B12 (1) RRUS -11 B2		7/8" COAX
	LTE 1900								
	UMTS 850	B2	200°	26'-9"	80010864	(1) E15Z01P13	-		7/8" COAX
SECTOR C	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	LTE 700	C1	320°	26'-9"	80010864	(1) TMA2093F00V1-1	(1) RRUS -11 B12 (1) RRUS -11 B2		7/8" COAX
	LTE 1900								
	UMTS 850	C2	320°	26'-9"	80010864	(1) E15Z01P13	-		7/8" COAX

NOTE: RRUS AT GROUND LEVEL

NOTE:
ALL EXISTING MOUNTING PIPES &
BASE SUPPORT TO BE RELOCATED.
REFER TO PROPOSED ANTENNA PLAN



DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



MORRISON HERSHFIELD
5100 SW MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

EXISTING
ANTENNA PLAN
AND SCHEDULE

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

A-4



EXISTING ANTENNA PLAN

0 3" 6" 1" SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17)

1

SCALE IS BASE ON 22" X 34" 10" SIZE

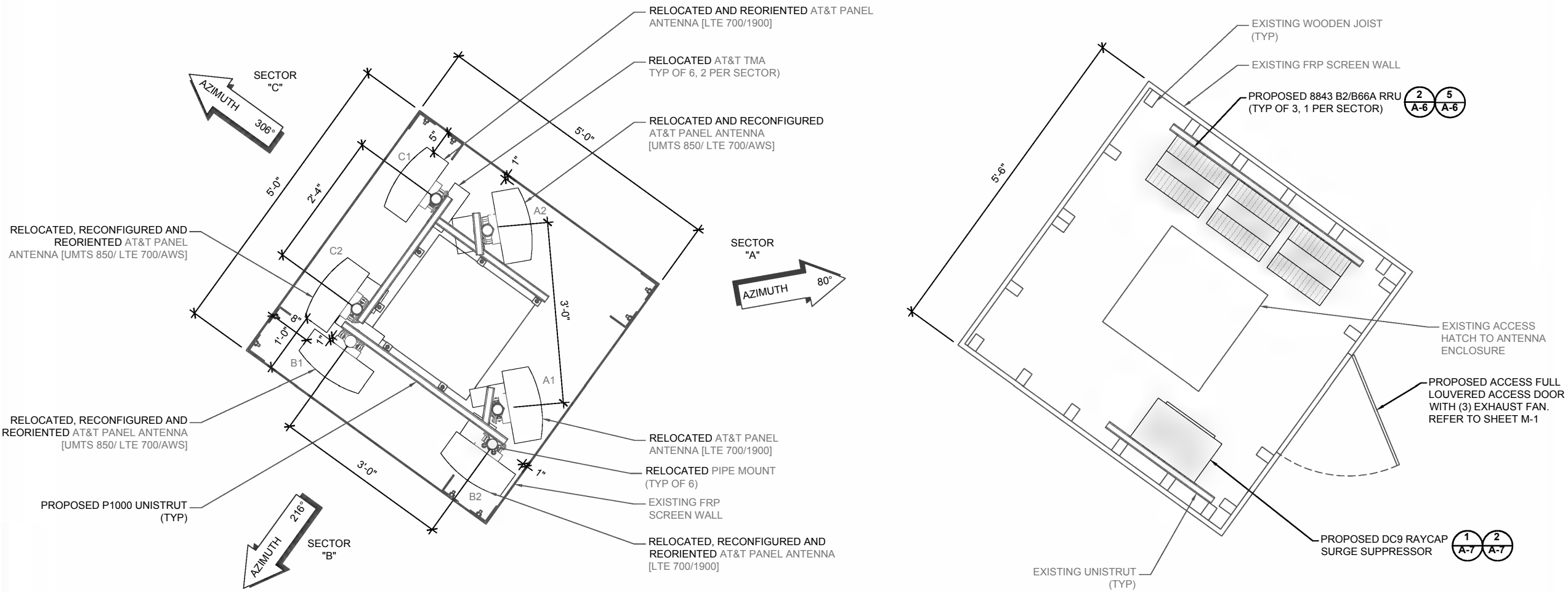
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PROPOSED ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 1.0 - DATED 10-28-20									
SECTOR A	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	LTE 700	A1	80°	26'-9"	80010864	(1) TMA2093F00V1-1	*(1) 4449 B5/B12	(1) DC9-48-60-24-PC16-EV	1/2" COAX
	LTE 1900								±50.00'
	UMTS 850	A2	80°	26'-9"	80010864	(1) E15Z01P13	*(1) 4478 B14 (1) 8843 B2/B66A		1/2" COAX
SECTOR B	LTE 700/AWS								±25.0'
	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	UMTS 850	B1	216°	26'-9"	80010864	(1) TMA2093F00V1-1	*(1) 4478 B14 (1) 8843 B2/B66A		1/2" COAX
	LTE 700/AWS								±50.00'
SECTOR C	LTE 1900	B2	216°	26'-9"	80010864	(1) E15Z01P13	*(1) 4449 B5/B12		1/2" COAX
	LTE 700								±50.00'
	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER
	UMTS 850	C1	306°	26'-9"	80010864	(1) TMA2093F00V1-1	*(1) 4449 B5/B12		1/2" COAX
SECTOR A	LTE 700/AWS								±50.00'
	LTE 1900	C2	306°	26'-9"	80010864	(1) E15Z01P13	*(1) 4478 B14 (1) 8843 B2/B66A		1/2" COAX
	UMTS 850								±50.00'
	LTE 700/AWS								±25.0'

NOTE: MECHANICAL VENTILATION
PLAN NOT SHOWN FOR CLARITY.
REFER SHEET M-1 FOR DETAILS.

NOTE: REFER TO MOUNT ANALYSIS REPORT
PERFORMED BY MORRISON HERSHFIELD ON
11/12/2020.

* RRUS AT GROUND LEVEL



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SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN
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No.	Date	Action

Plans Prepared For:

md7

10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:

at&t
Your world. Delivered.

Plans Prepared By:

MORRISON HERSHFIELD
5100 SW MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

**PROPOSED
ANTENNA PLAN
AND SCHEDULE**

Project No.: 202107100	
Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	Drawing No.: A-4.1

PROPOSED ANTENNA PLAN

0 2" 4" 8" SCALE: 1-1/2"=1'-0" (22x34)
(OR) 3/4"=1'-0" (11x17)



SCALE IS BASE ON 22" X 34" 10" SIZE

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NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3

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Applicant:



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Project:
**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:
**NORTHEAST
ELEVATIONS**

Project No.: 202107100	
Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	Drawing No.: A-5

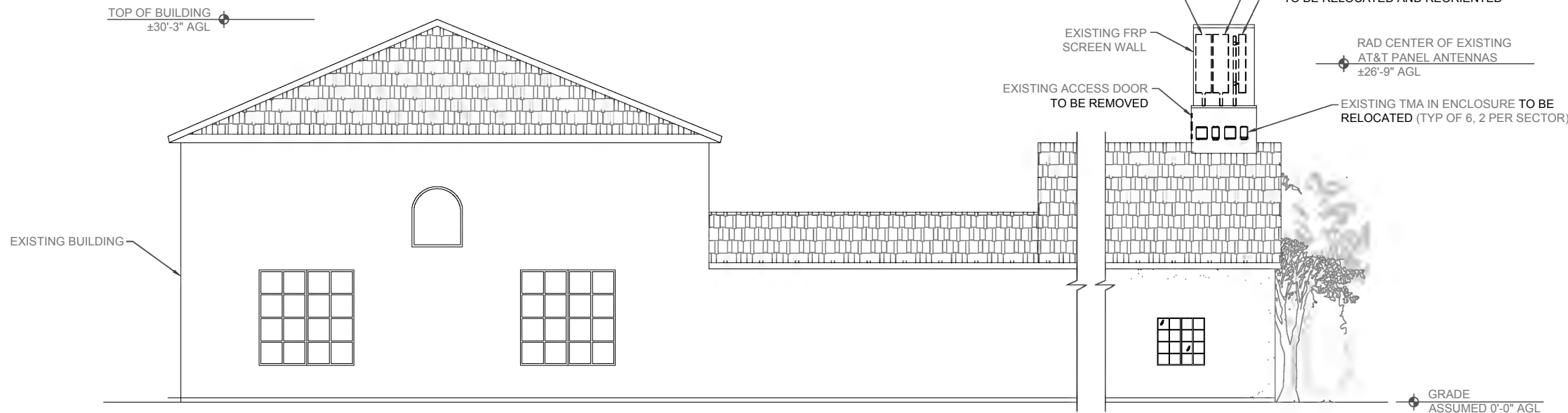
SCALE IS BASE ON 22" X 34" 10" SIZE

EXISTING NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1

NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3.1

NOTE: CUPOLA TO BE REPAINTED
TO MATCH EXISTING



PROPOSED NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

RELOCATED AND RECONFIGURED
AT&T PANEL ANTENNA

RELOCATED TMA BEHIND ANTENNA
(TYP OF 6, 2 PER SECTOR)

RELOCATED AND REORIENTED
AT&T PANEL ANTENNA

PROPOSED FULL LOUVERED ACCESS DOOR TO
REPLACE EXISTING. (3) NEW 5.5" EXHAUST FANS TO BE
MOUNTED ON BACK OF DOOR. PAINT DOOR TO MATCH
EXISTING BACKGROUND. REFER TO SHEET M-1

PROPOSED AT&T RRU
(TYP OF 3, 1 PER SECTOR)

EXISTING FRP
SCREEN WALL

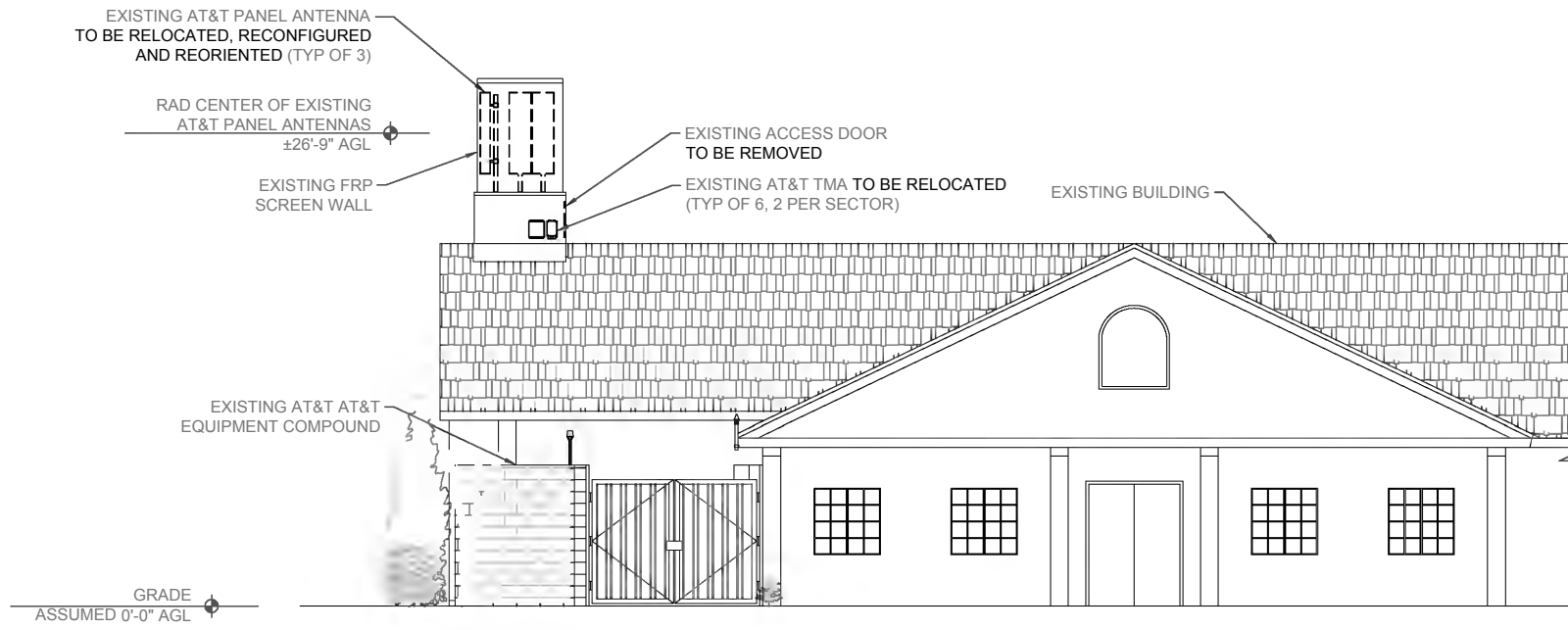
RAD CENTER OF EXISTING
AT&T PANEL ANTENNAS
±26'-9" AGL

TOP OF BUILDING
±30'-3" AGL

EXISTING BUILDING

GRADE
ASSUMED 0'-0" AGL

C:\Users\monohar\Desktop\MD7 FILES\MD7-351\MD7-351-100% CD_REV C_01.08.21.dwg 01/08/2021 6:12pm Rmonohar



NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



01/08/2021 1:25PM

O	01/08/21	ISSUED FOR PERMIT
C	12/07/20	100% CD SUBMITTAL
B	11/20/20	ANTENNA COORD.
A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:

MH
MORRISON HERSHFIELD
5100 SW MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:
**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

**SOUTHWEST
ELEVATIONS**

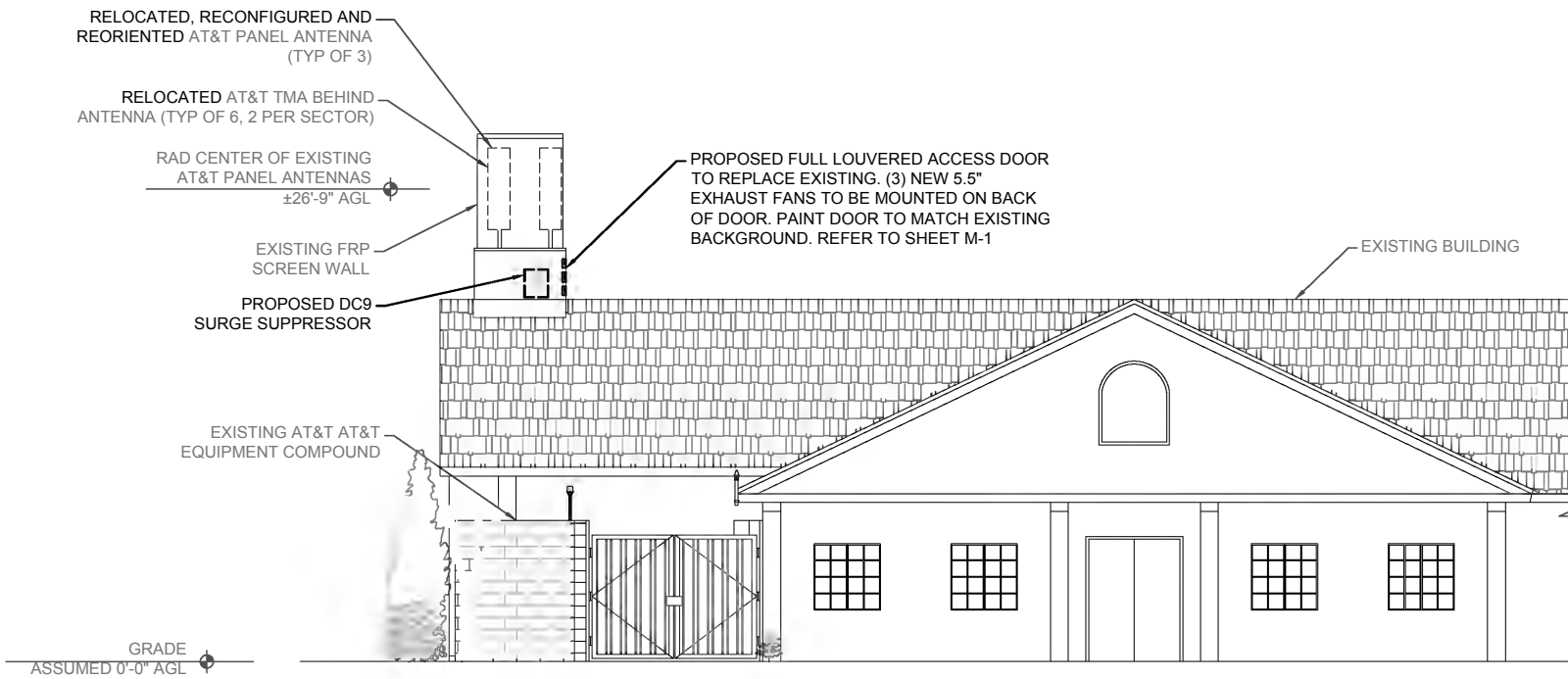
Project No.:
202107100

Designer: SB	Date: 08/14/20
Drawn By: RM	Checked By: SS
PM Review: JR	Client Approval

Issue No.: 0	Drawing No.: A-5.1
------------------------	------------------------------

EXISTING SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3.1

NOTE: CUPOLA TO BE REPAINTED
TO MATCH EXISTING

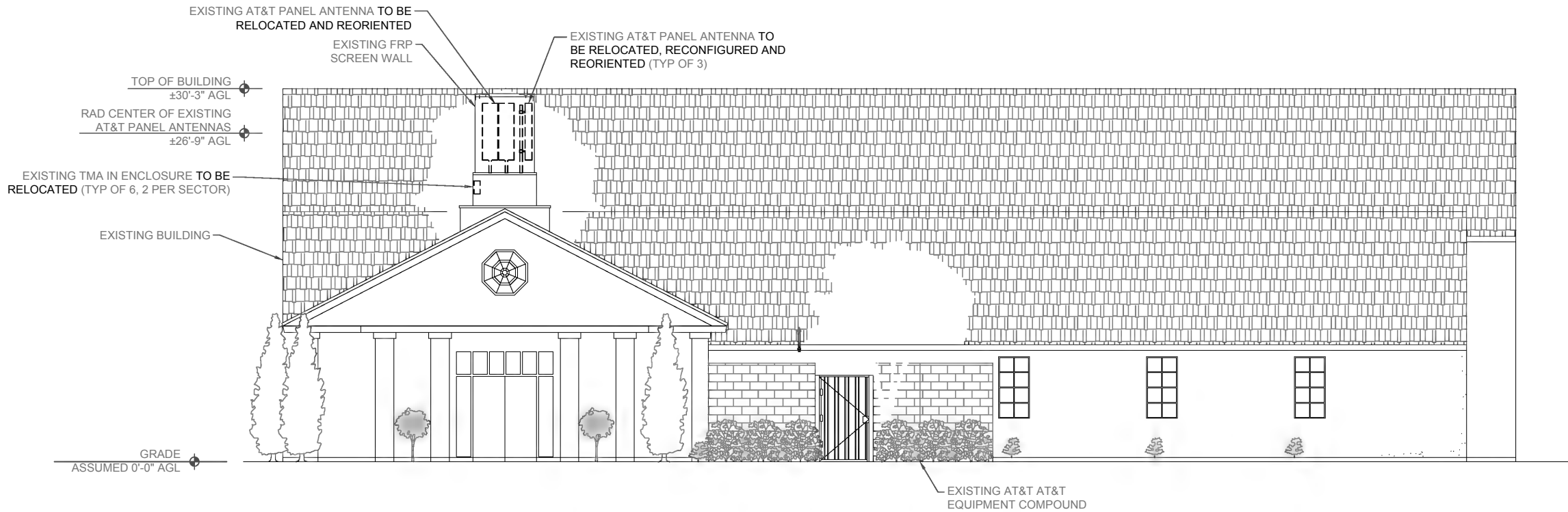
PROPOSED SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

SCALE IS BASE ON 22" X 34" 10" SIZE

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NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3

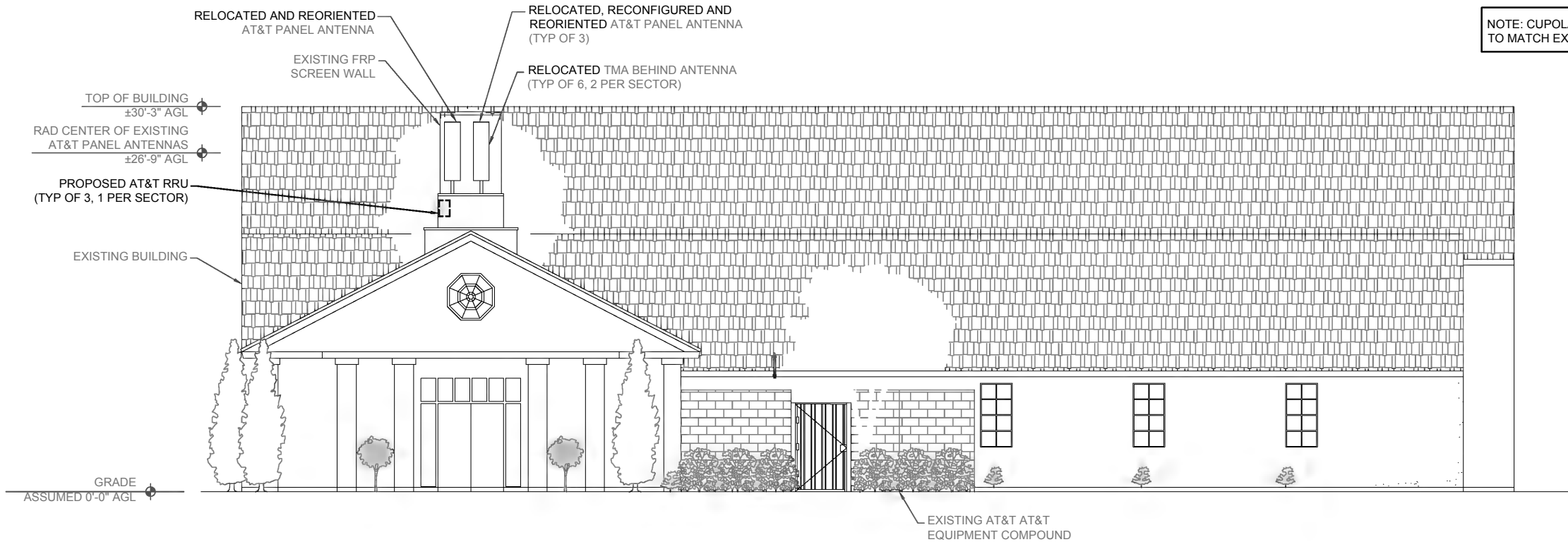


EXISTING NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1

NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3.1

NOTE: CUPOLA TO BE REPAINTED
TO MATCH EXISTING



PROPOSED NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

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Project:

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& ORCHARD
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1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

NORTHWEST
ELEVATIONS

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

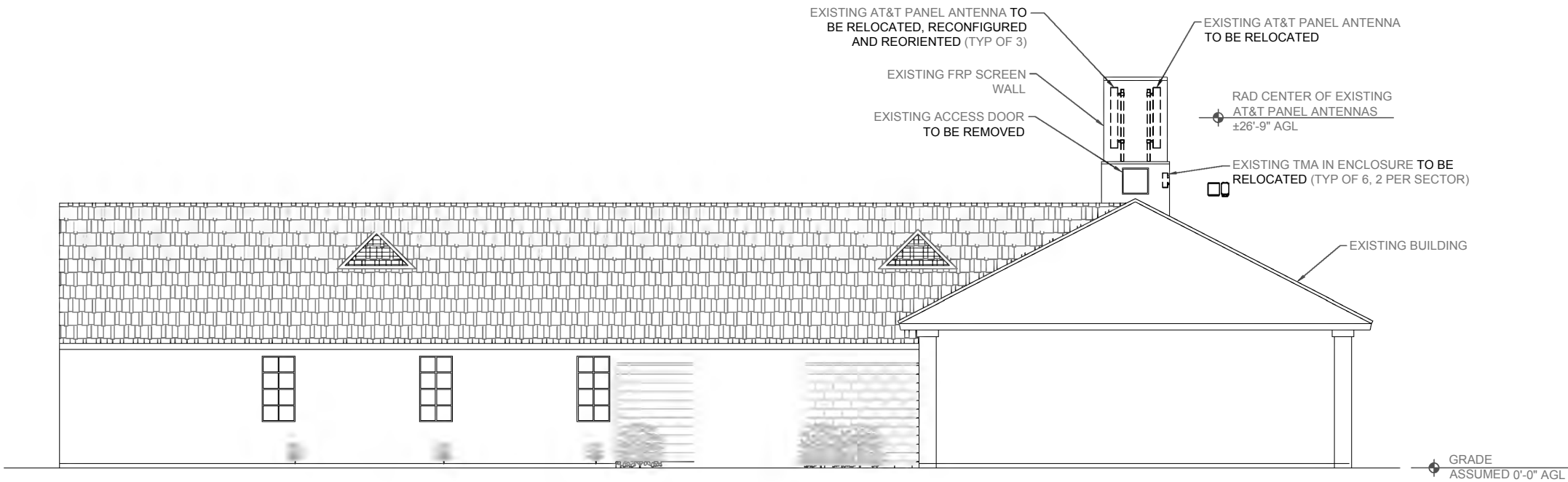
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Drawing No.

A-5.2

SCALE IS BASE ON 22" X 34" 10" SIZE

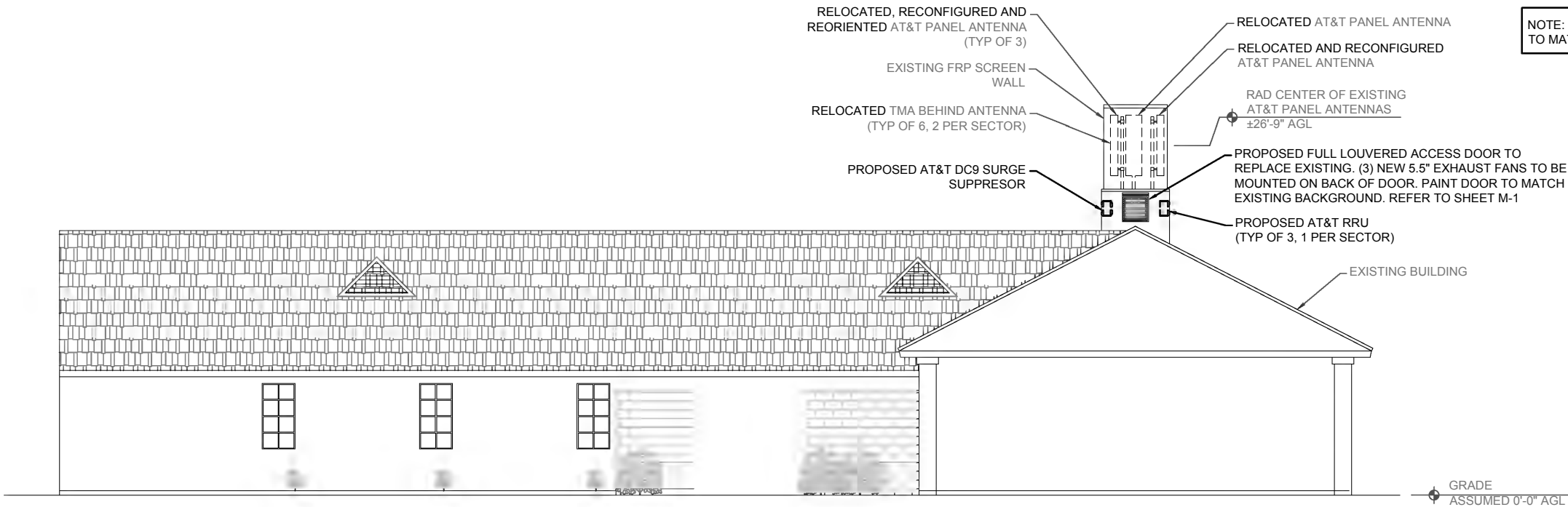
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NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3

EXISTING SOUTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



NOTE: RRUS AT GROUND LEVEL
NOT SHOWN FOR CLARITY.
PLEASE REFER SHEET A-3.1

NOTE: CUPOLA TO BE REPAINTED
TO MATCH EXISTING

PROPOSED SOUTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

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SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



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Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

SOUTHEAST
ELEVATIONS

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

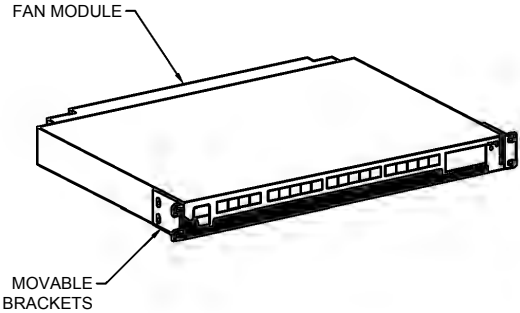
A-5.3

SCALE IS BASE ON 22" X 34" 10" SIZE

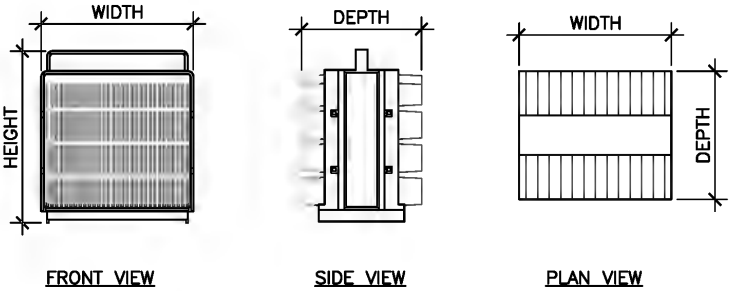
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ERICSSON BASEBAND 6630:

DIMENSIONS, WxDxH: 19"x13.8"x1.75"
NOMINAL OPERATING VOLTAGE: -48 VDC
OPERATING VOLTAGE RANGE: -38 TO -58.5 VDC
OPERATING TEMPERATURE: 0 TO +55°C
TOTAL WEIGHT: 6.5 kg | 14.3 lbs
BREAKER SIZE: 30A



NOTE:
CONSTRUCTION TO REFER TO AT&T UPGRADE KIT GUIDELINES
WHEN INSTALLING THE RBS 6630 IN THE PURCELL CABINET

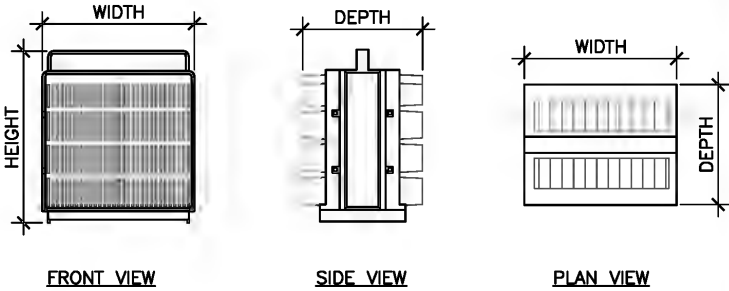


ERICSSON 8843 (B2/B66A)

SIZE AND WEIGHT TABLE

WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
13.19"	11.10"	14.96"	75.00 LBS

NOTE:
DIMENSIONS DO NOT INCLUDE MOUNTING BRACKET AND
SOLAR SHIELD.



ERICSSON 4449 (B5/B12)

SIZE AND WEIGHT TABLE

WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
13.19"	10.43"	14.96"	73.00 LBS

NOTE:
DIMENSIONS DO NOT INCLUDE MOUNTING BRACKET AND
SOLAR SHIELD.

BASEBAND 6630 SPECS

SCALE
N.T.S.

1

RRU SPECIFICATIONS

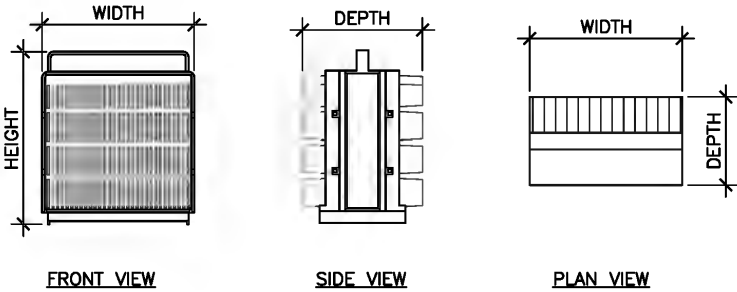
SCALE
N.T.S.

2

RRU SPECIFICATIONS

SCALE
N.T.S.

3

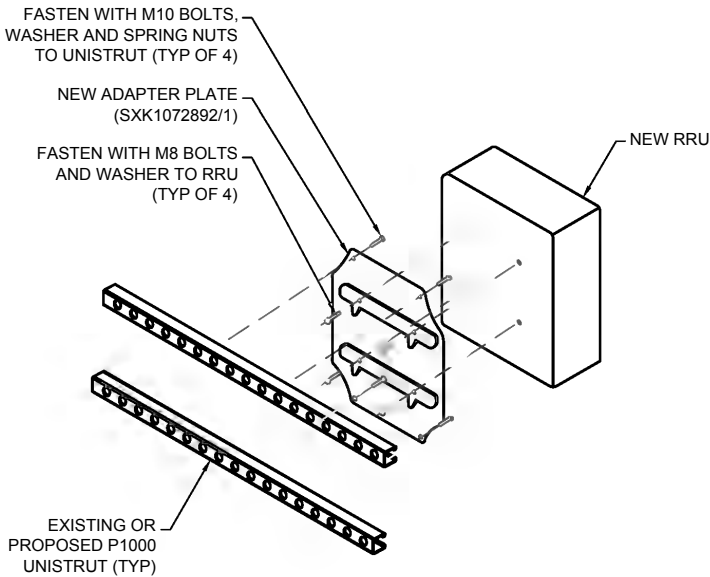


ERICSSON 4478 (B14)

SIZE AND WEIGHT TABLE

WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
13.40"	7.70"	16.50"	59.90 LBS

NOTE:
DIMENSIONS DO NOT INCLUDE MOUNTING BRACKET AND
SOLAR SHIELD.



RRU SPECIFICATIONS

SCALE
N.T.S.

4

RRU MOUNTING DETAIL

SCALE
N.T.S.

5

NOT USED

6

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AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



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PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
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Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

DETAILS

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

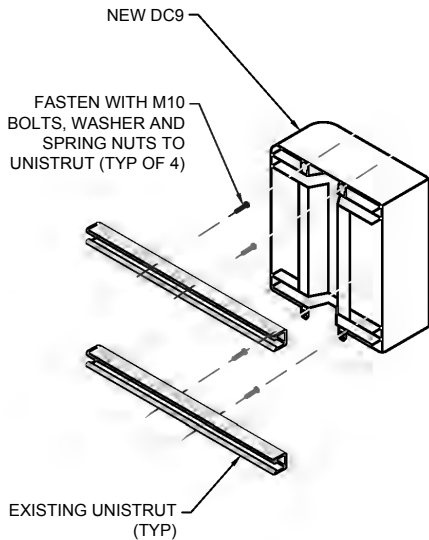
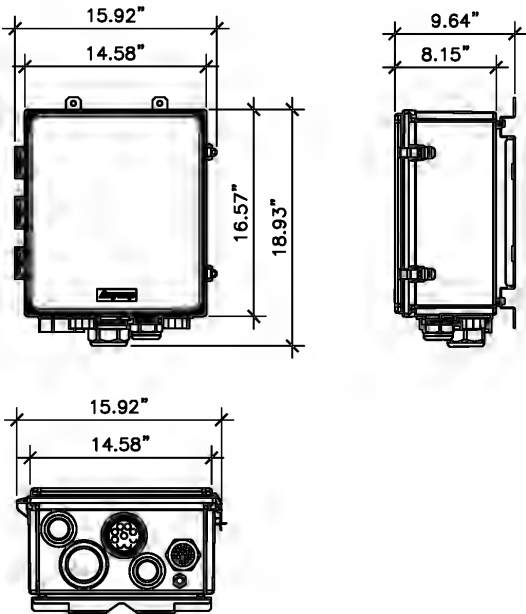
A-6

SCALE IS BASE ON 22" X 34" 10" SIZE

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RAYCAP DC9-48-60-24-PC16-EV:

DIMENSIONS, LxWxH: 16.34"x16.57"x8.19"
NOMINAL OPERATING VOLTAGE: 48 VDC
OPERATING DISCHARGE CURRENT: 60 kA 8/20ms
MAX DISCHARGE CURRENT: 160 kA 8/20ms
VOLTAGE PROTECTION LEVEL
[Up] PER IEC 61643-11: 145 V
VOLTAGE PROTECTION RANKING (VPR): 330V
TOTAL WEIGHT: 34.9 kg | 15.83 lbs



DC9 SPECIFICATIONS

SCALE
N.T.S.

1

DC9 MOUNTING DETAIL

SCALE
N.T.S.

2

NOT USED

3

NOT USED

4

NOT USED

5

NOT USED

6

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10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:

MH
MORRISON HERSHFIELD
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Project:

**CHARTSWORTH BLVD
& ORCHARD**
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

DETAILS

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

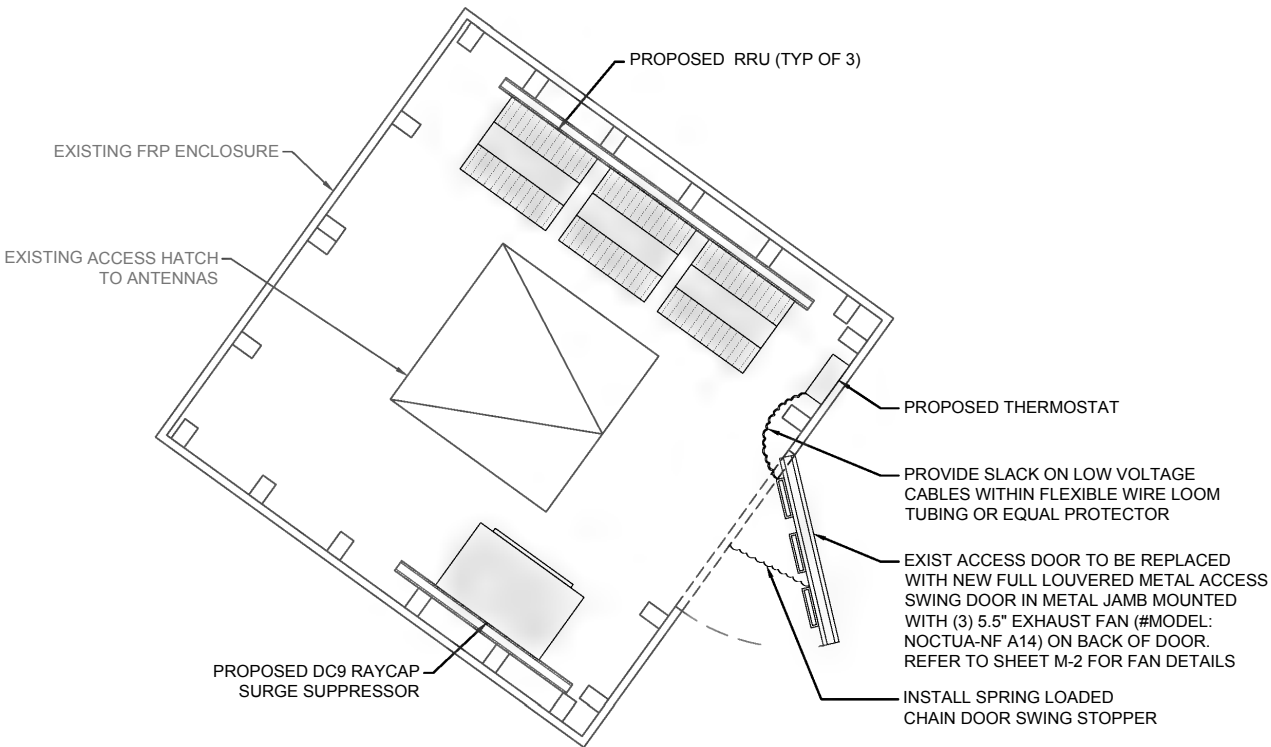
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Drawing No.

A-7

SCALE IS BASE ON 22" X 34" 10" SIZE

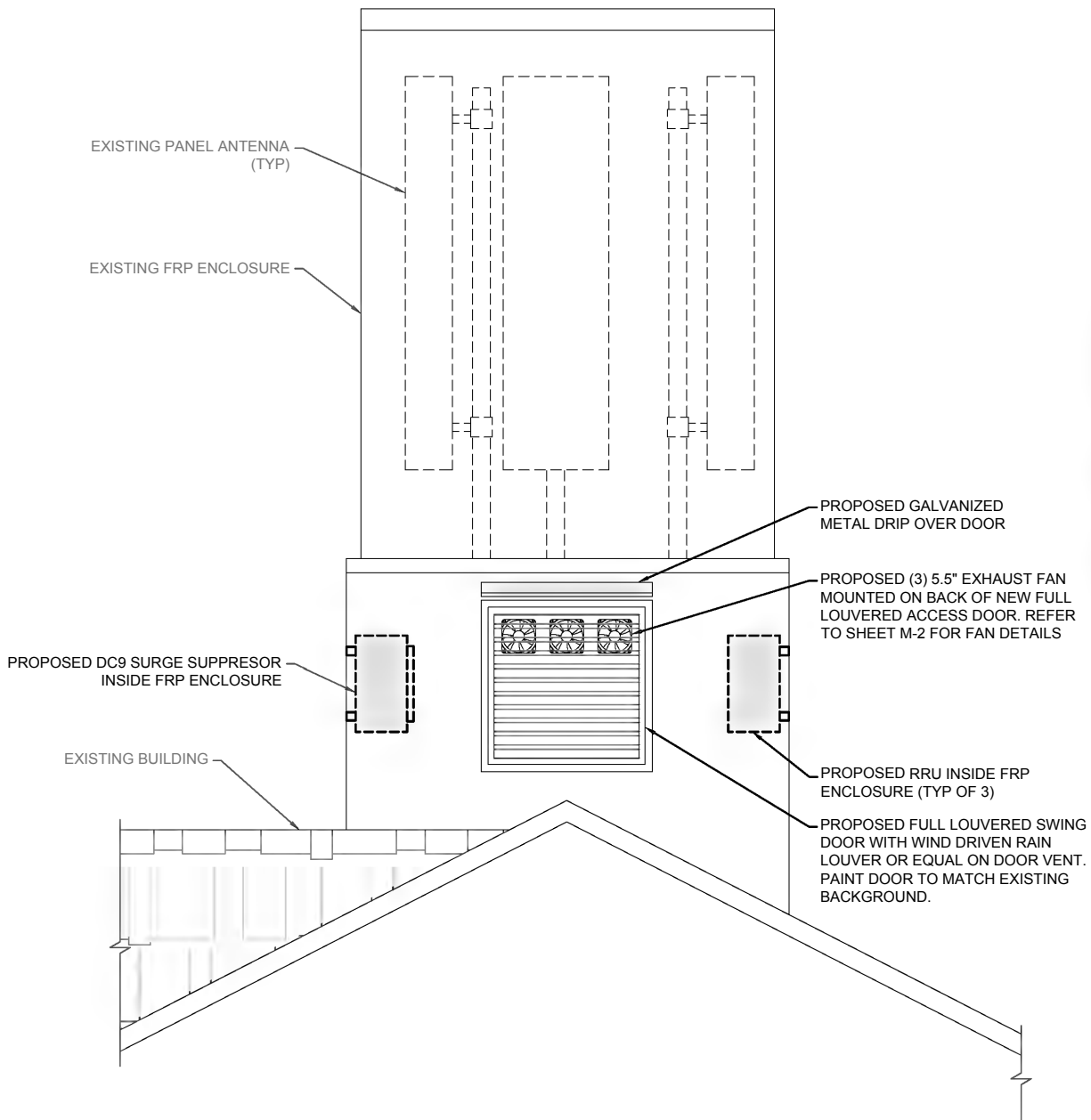
NOTE: PROPOSED LOUVERS SHALL BE WIND DRIVEN RAIN RATED AND PAINTED TO MATCH EXISTING BUILDING. COORDINATE WITH DOOR MANUFACTURER



MECHANICAL VENTILATION PLAN

0 3" 6" 1" SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17)

ELEVATION VIEW



0 3" 6" 1" SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17)

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SAN DIEGO, CA 92130

Applicant:



Your world. Delivered.

Plans Prepared By:



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Drawing Title:

MECHANICAL
VENTILATION PLAN

Project No.:

202107100

Designer:

SB

Date:

08/14/20

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RM

Checked By:

SS

PM Review:

JR

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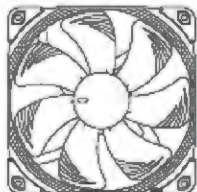
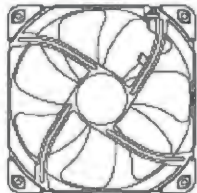
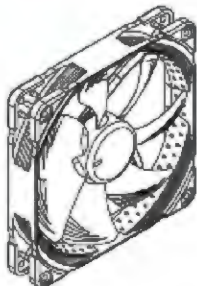
Drawing No.

M-1

SCALE IS BASE ON 22" X 34" 10" SIZE



MODEL: NF-A14
INDUSTRIAL PPC-24V
1800 RPM
158 CFM
140mm x 140mm x 25mm



FAN Specification	
Size	140x140x25 mm
Mounting hole spacing	124,5x124,5 mm
Connector & pin-configuration	4-pin PWM
Cable length	40cm
Bearing	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO
Material	Fibre-glass reinforced polyamide
Ingress protection	IP67
Motor type	Three-phase
Rotational speed (+/- 10%)	3000 RPM
Min. rotational speed (PWM, +/-20%)	800 RPM
Rotational speed @ 12V (+/- 10%)	1800 RPM
Airflow	269,3 m³/h
Acoustical noise	41,3 dB(A)
Static pressure	10,52 mm H₂O
Max. input power	7,92 W
Max. input current	0,33 A
Operating voltage	24 V
Voltage PWM signal	5 V
MTTF	> 150.000 h
Scope of delivery	<ul style="list-style-type: none">Fan4 Fan Screws
Warranty	6 years

NOT USED

NOT USED

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Drawing Title:

VENTILATION
DETAILS

Project No.:

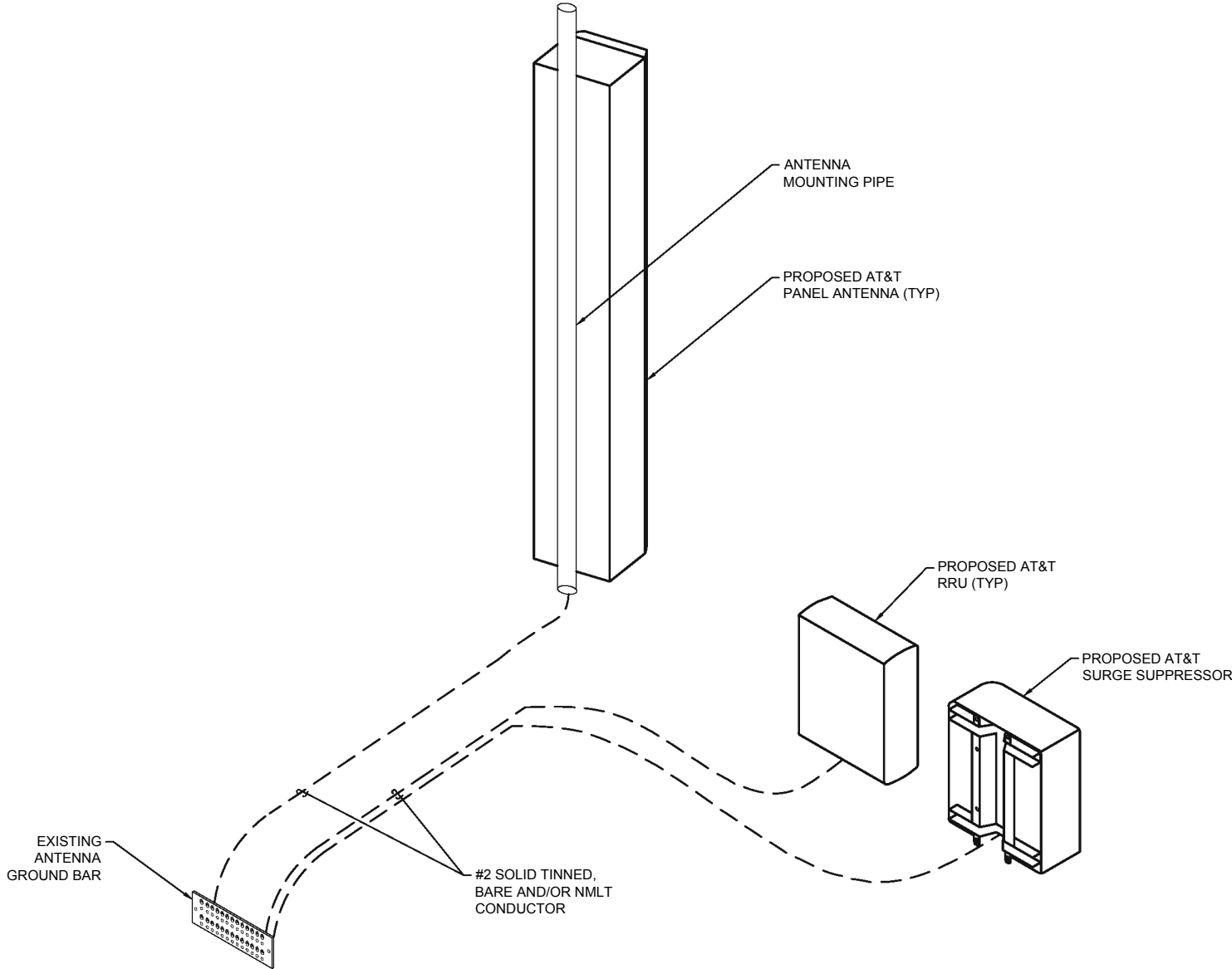
202107100

Designer:	Date:
SB	08/14/20
Drawn By:	Checked By:
RM	SS
PM Review:	Client Approval
JR	

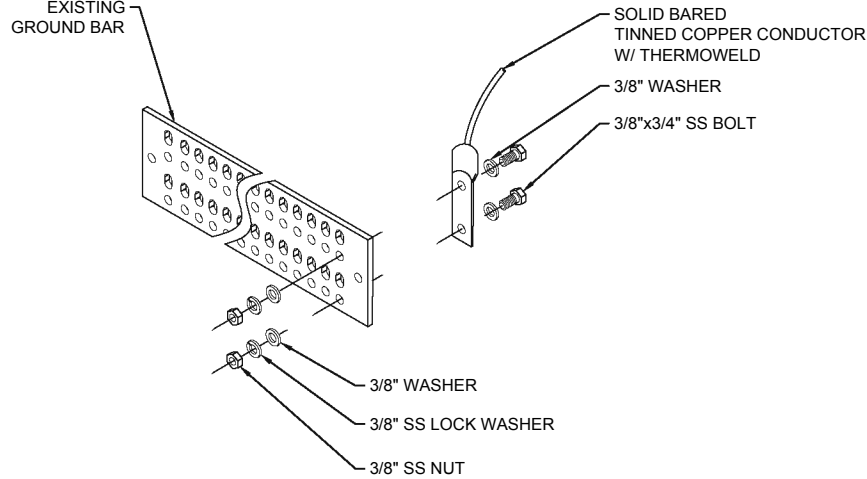
Issue No.:	Drawing No.
0	M-2

SCALE IS BASE ON 22" x 34" 10" SIZE

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- NOTES:
- CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416. ALL EXOTHERMIC CADWELDS SHALL BE PERFORMED BY CERTIFIED TECHNICIAN.
 - PROVIDE WEATHER PROOFING AND GROUNDING KIT TO BOND DC POWER CABLE SHIELD TO EXTERNAL HATCH PLATE GROUND BAR.
 - PROVIDE GROUND CONNECTION FOR DC POWER CABLE SHIELD TO "P" SECTION OF CRGB WITHIN SHELTER.
 - CONTRACTOR SHALL USE THEFT RESISTANT GROUND WIRES AND BARS WHEN FEASIBLE.
 - CONTRACTOR SHALL MAINTAIN A 12" MINIMUM GROUND WIRE BEND RADII.
 - GROUND LUGS, HEATSHRINK AND CLAMPS DEVICES SHALL COMPLY WITH AT&T GROUNDING AND BONDING PRACTICE TP-76416.



- NOTES:
- UTILIZE EXISTING AT&T GROUND BARS AND GROUNDING.
 - ADD GROUND BARS IF THERE ARE INSUFFICIENT LUG POSITIONS.
 - REFERENCE AT&T BONDING & GROUNDING PRACTICE TP76416.

TYPICAL GROUND BAR CONNECTION DETAIL

SCALE
N.T.S. 2

- RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
- GUARANTEE/WARRANTY: GUARANTEE INSTALLATION TO BE FREE OF DEFECTS, SHORTS, GROUNDS, ETC., FOR A PERIOD OF ONE YEAR. FURNISH WARRANTY SO THE DEFECTIVE MATERIAL AND/OR WORKMANSHIP WILL BE REPAIRED/REPLACED IMMEDIATELY UPON NOTIFICATION AT NO COST TO THE OWNER FOR PERIOD OF WARRANTY.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.

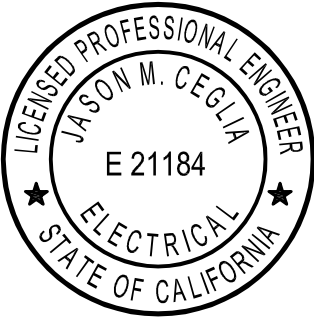
GROUNDING NOTES

SCALE
N.T.S. 3

ANTENNA GROUNDING SCHEMATIC (TYP)

SCALE
N.T.S. 1

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



O	01/08/21	ISSUED FOR PERMIT
C	12/07/20	100% CD SUBMITTAL
B	11/20/20	ANTENNA COORD.
A	08/14/20	90% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN
AIR DRIVE, SUITE 300
SAN DIEGO, CA 92130

Applicant:



Your world. Delivered.

Plans Prepared By:



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Project:

CHARTSWORTH BLVD
& ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

GROUNDING DETAILS

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

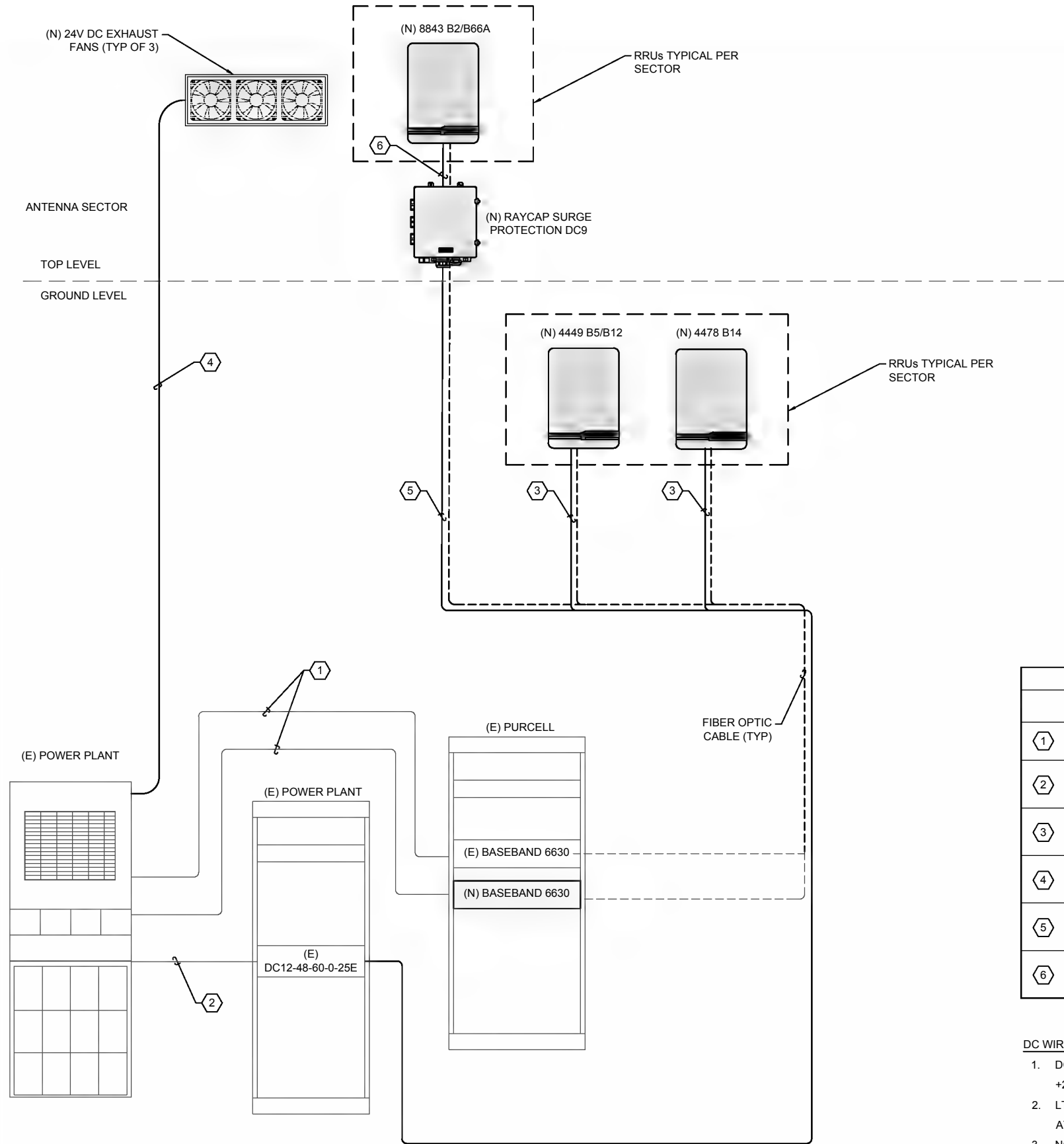
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Drawing No.

E-1

SCALE IS BASE ON 22" X 34" "D" SIZE

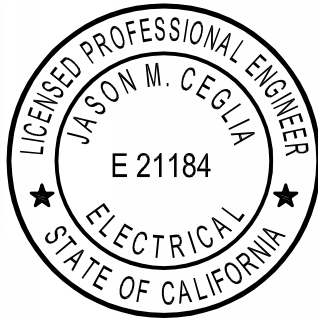
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DC CIRCUIT SCHEDULE				
	BREAKER	FROM	TO	CONFIGURATION
1	15A / 1P	-48DC DISTRIBUTION PANEL	LTE BASE BAND UNIT	(1) 2-#10 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
2	SEE RRU SPECIFICATION FOR BREAKER SIZE	-48DC DISTRIBUTION PANEL	RAYCAP SURGE PROTECTION DC12-48-60-0-25E	(1) 6-#6 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
3	N/A	RAYCAP SURGE PROTECTION DC12-48-60-0-25E	REMOTE RADIO UNIT	(1) 2-#10 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
4	15A / 1P	24VDC DISTRIBUTION PANEL	DC EXHAUST FANS	(1) 2-#12 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
5	N/A	RAYCAP SURGE PROTECTION DC12-48-60-0-25E	RAYCAP SURGE PROTECTION DC9	(1) 6-#6 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
6	N/A	RAYCAP SURGE PROTECTION DC9	REMOTE RADIO UNIT	(1) 2-#10 THHN/THWN/VW-1 TYPE TC-ER DC CABLE

- DC WIRING GENERAL NOTES:**
- DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V (RED) AND -48V (BLUE) MARKINGS ON CONDUCTORS.
 - LTE TECHNOLOGY DC POWER WIRING SHALL BE IN ACCORDANCE WITH ATT-002-290-531
 - NON-LTE TECHNOLOGY DC POWER WIRING SIZE 14 AWG TO 10 AWG SHALL BE TELCOFLEX III. DC POWER WIRING 8 AWG AND LARGER SHALL BE TELCOFLEX IV.

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No.	Date	Action

Plans Prepared For:



Applicant:



Plans Prepared By:



Project:

CHARTSWORTH BLVD & ORCHARD
SITE ID: SD0515
1475 CATALINA BOULEVARD
SAN DIEGO, CA 92107
FA: 10086259

Drawing Title:

ONE-LINE DIAGRAM

Project No.:

202107100

Designer:

SB

Date:

08/14/20

Drawn By:

RM

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

Drawing No.

E-2

ELECTRICAL DC ONE LINE DIAGRAM

SCALE
N.T.S.

1

SCALE IS BASE ON 22" X 34" "D" SIZE